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The
CHEMIST AND DRUGGIST

Established 1859

28 Essex Street, Strand, London, W.C.2.

Registered as a Newspaper

No. 2765
VOL. CXVIII.

FEBRUARY 4, 1933

Annual Subscription (with
Diary) 20/- Single Copies 9d.

**SALICIN B.P.
FOR INFLUENZA**

AMPLE SUPPLIES AVAILABLE TO MEET GROWING DEMAND

ALKALOIDS

*Goods covered by
Dangerous Drugs Acts offered
subject to all regulations*

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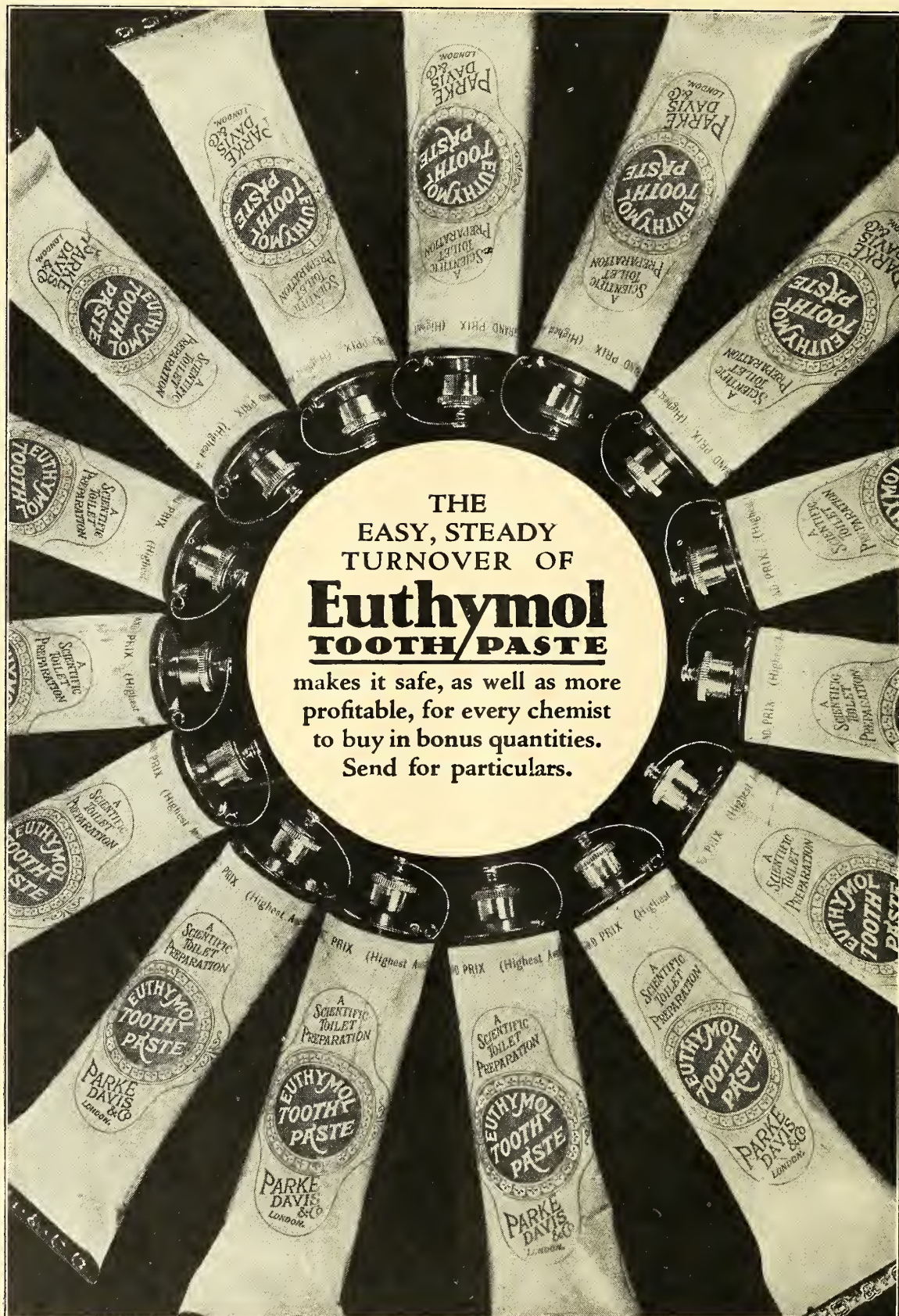
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DERIVATIVES**

LONDON

25 Christopher Street, E.C.2

T. & H. SMITH
LIMITED



THE
 EASY, STEADY
 TURNOVER OF
Euthymol
TOOTH PASTE
 makes it safe, as well as more
 profitable, for every chemist
 to buy in bonus quantities.
 Send for particulars.

BRITISH INDUSTRIES FAIR

OLYMPIA, 1933. LONDON, W. 14

February 20 to March 3



Recent political and financial changes in policy have combined to make this year's Fair of exceptional interest and importance. The Chemical, Drug and Perfumery Sections have long assumed International significance and receive especial attention from Home and Overseas buyers

A SPECIAL SUPPLEMENT IN COLOUR

will be inserted in

THE CHEMIST AND DRUGGIST

of **FEBRUARY 18**

In order to assist exhibitors in focusing interest on their particular products a suitable announcement will not only obviate an original preparation being overlooked but it will stimulate the curiosity of visitors in the general display.

Home and Foreign Visitors will be welcomed at

STAND A15

where "C. & D." Representatives will be in constant attendance.

All particulars regarding available space in this supplement from

THE PUBLISHER

THE CHEMIST AND DRUGGIST

28 ESSEX STREET, STRAND, LONDON, W.C. 2

Telephone: Central 6565 (8 lines).

Telegrams: "Chemicus, Estrand, London."

49 County Buildings, Cannon Street, MANCHESTER

54 Foster's Buildings, High Street, SHEFFIELD

19 Waterloo Street, GLASGOW

MELBOURNE AND SYDNEY, AUSTRALIA.

AUCKLAND, NEW ZEALAND

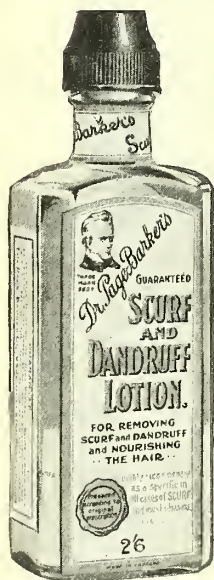
Page-Barker's Gift to YOU! 30/- Worth of Goods FREE

**A Bumper Offer during February only.
Definitely withdrawn on February 28th.**

Briefly the offer is: With every order for three dozen Page-Barker Scurf Lotion WE WILL GIVE YOU ONE DOZEN FREE (selling at 30/-). In addition, you get the usual bonus of three 2/6 bottles, and very smart showcards.

Nothing sells so readily as Page-Barker, because every year its merits become more widely known, every year it attains greater popularity. Every year it is successful in thousands of stubborn cases which have resisted all other so-called "remedies." Page-Barker is backed by the strongest selling argument in the world—a *cast-iron guarantee of satisfaction or money back if it fails!* Here is your chance to start increasing your Page-Barker profits at once.

Order To-day from: **THOS. CHRISTY & CO.**
4-12 Old Swan Lane, London, E.C.



Note the Improved
Screw Cap

What this Offer means to you

YOU PAY FOR
36 BOTTLES

£2-14-0

YOU SELL 51
BOTTLES FOR

£6-7-6

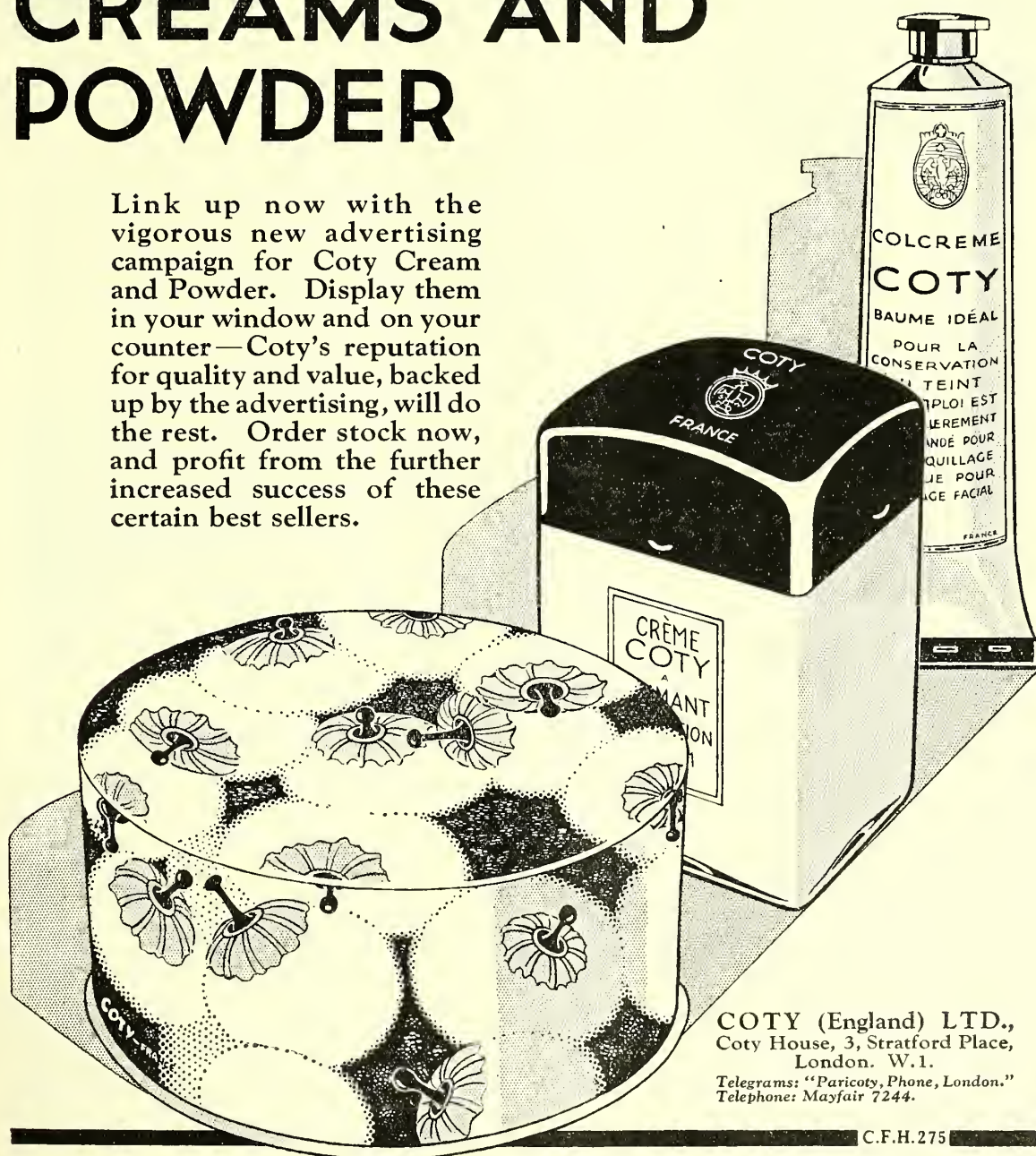
YOUR PROFIT

£3-13-6

Dr Page-Barker's
SCURF & DANDRUFF LOTION 2/6

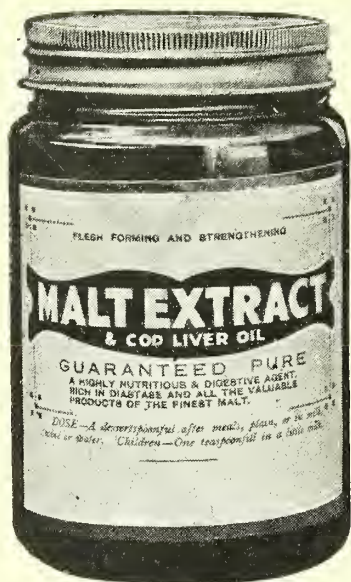
Increase your sales of COTY CREAMS AND POWDER

Link up now with the vigorous new advertising campaign for Coty Cream and Powder. Display them in your window and on your counter—Coty's reputation for quality and value, backed up by the advertising, will do the rest. Order stock now, and profit from the further increased success of these certain best sellers.



COTY (England) LTD.,
Coty House, 3, Stratford Place,
London. W.1.

Telegrams: "Paricoty, Phone, London."
Telephone: Mayfair 7244.



MALT EXTRACT WITH COD LIVER OIL

Guaranteed the finest British Make.

Packed in Oval Amber Screw-Capped Jar.

The "N.H.I." packing is of the same high standard, but is packed in lever lid containers.

*Special terms for
large quantities will
be sent on application*

MALT EXTRACT WITH COD LIVER OIL					
Jars—	$\frac{1}{2}$ lb.	1 lb.	2 lb.	4 lb.	7 lb.
per doz.	6/9	9/-	16/-	30/-	51/6
Drums—	N.H.I. Quality 15% Cod Liver Oil				
per doz.	1 lb. 7/6 2 lb. 13/9				

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1 lb. Jars per doz. 10/- 2 lb. Jars per doz. 18/6

MALT EXTRACT PLAIN					
Jars—	$\frac{1}{2}$ lb.	1 lb.	2 lb.	4 lb.	7 lb.
per doz.	6/7	8/6	15/-	28/-	48/6
Drums—					
per doz.	—	7/-	12/9	—	—

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Cables and Marconigrams:
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(Continued overleaf.)

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NALGO

THE PAIN - KILLING ANTISEPTIC

You will be asked for this unique Antiseptic because:—

Dentists and Medical men throughout the country have acclaimed NALGO as the Antiseptic for which they have been waiting.

NALGO the efficient and pleasant gargle.**NALGO** is the ideal Mouth Wash after Dental extraction.**NALGO** for Septic Sockets, Spongy Gums, Pyorrhoea, etc.**NALGO** for Cuts, Wounds, Abrasions, Scalds.

You will be doing your customers a good turn by recommending NALGO because NALGO definitely takes away pain, stops swelling and quickly subdues inflammation.

Packed in two sizes—10½d. and 1s. 6d.

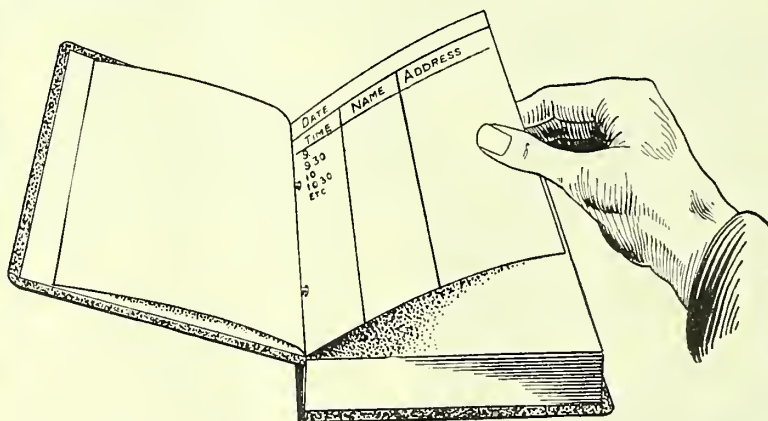
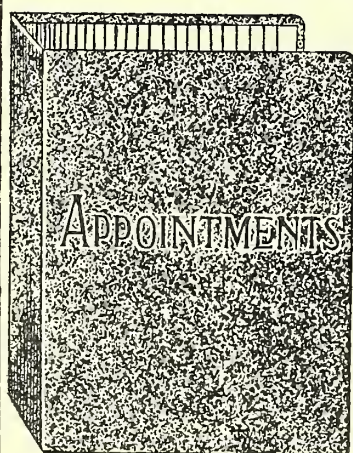
HOUGH, HOSEASON & Co., Ltd.
Manufacturing Chemists, MANCHESTER

N.A.I.

Backed
by merit &
National
advertising!

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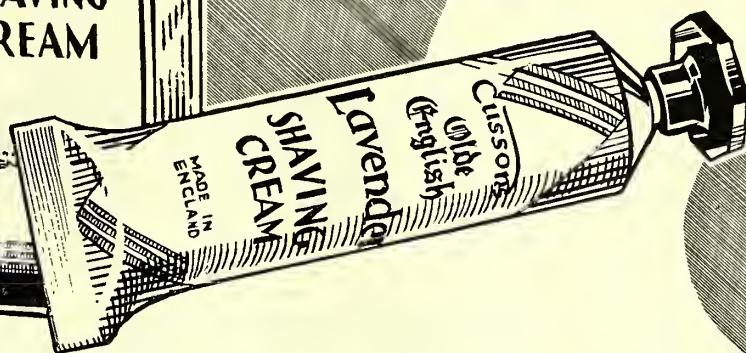
THE "OPTREX" APPOINTMENTS BOOK. Strong cloth covered loose leaf binder, size $11\frac{3}{4} \times 8\frac{3}{4}$ complete with leaves for one year - - - 10/6
 Set of refill leaves for one year. (Postage extra) - - - 4/6

For orders of six or more copies to one address, post free

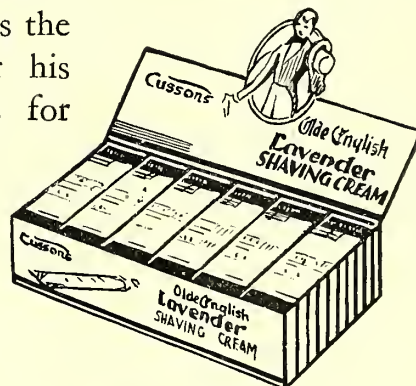
JOHN BAIRD & SONS, Wholesale & Manufacturing Opticians
 Telephone & Extensions: CENTRAL 541
 Telegrams & Cables: SPECTACLES, GLASGOW (A.B.C. CODE)
 70 MITCHELL STREET,
GLASGOW, C.1
 ESTABLISHED 1889



*Meeting a real
Need of to-day*



A NOTABLE addition to Cussons' Lavender Series, this new Shaving Cream offers the Chemist a most remarkable value for his customers. We predict an early success for this attractive Cussons' production. Highly concentrated, it gives a rich profusion of emollient lather, cool and delicately perfumed to make pleasant the onerous task of shaving.



Old

English Lavender

SHAVING CREAM

"One of the
Lavender Series"

Packed in 12's in an eye-impelling, dignified outer, Cussons' Lavender Shaving Cream deserves a fairly prominent position—to ensure a steady and ever-increasing sale.

Cussons' KERSAL VALE, MANCHESTER

**IT SELLS FAST....
NOW SELL IT FASTER
....YOU MAKE MORE
PROFIT UNDER THE
FINE NEW TERMS....**

Forhan's

FOR THE GUMS AND FORHAN'S TOOTH PASTE

IF YOU HAVE NOT YET RECEIVED DETAILS
OF THE NEW "WINDOW DISPLAY" DISCOUNTS
WRITE TO STEMCO LTD. FOR PARTICULARS

STEMCO LIMITED, 128 ALBERT STREET,
CAMDEN TOWN, LONDON, N.W.1, SOLE
DISTRIBUTORS FOR FORHAN'S LIMITED



STANDS FOR **INDIGESTION TABLETS**
SOLD IN MILLIONS

 ***Many heart shapes
but only one
MOORLAND-
and they are the ones
THAT ARE ASKED FOR***



Advertising covering every area and class of person in Great Britain is now appearing. This Advertising will increase the demand for Moorland Tablets. You can have your full share by linking up with a first-class window and counter display.

Advertising for Penetrol, the increasingly popular Inhalant is also appearing **NOW**. Don't miss this other first-class Cartwright line, order Now. Ask for full display material.

PENETROL



BRAND INHALANT

**Now obtainable
in Trial Size 6d**

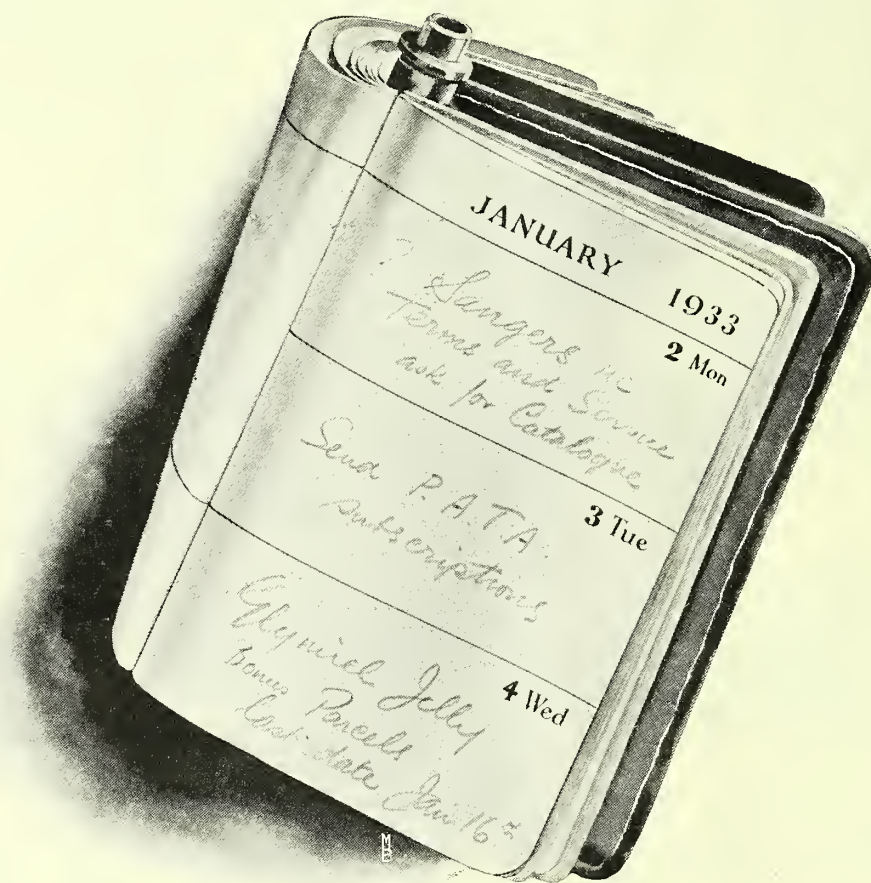
Also 1/3 & 2/- ALL CHEMISTS

The reason why Moorland Tablets are asked for in preference is because they have benefited thousands and thousands of people, who have in turn recommended them to thousands and thousands of other sufferers. Added to this, strong, convincing Advertising brings prospective customers each day. That is why it pays you to stock and display Moorland, the biggest and best seller.

[illegible]

W. B. CARTWRIGHT, LTD., RAWDON, LEEDS

FOR A PROSPEROUS NEW YEAR



Sanger's
LIMITED

258 EUSTON ROAD
LONDON N.W.1

A Good Start is half the Battle



MAW'S OINTMENTS
Reduced Prices

Fine Quality Uniformity

TINS
Boracic, Carbolic, Cocoonut Oil, Sulphur, Yellow Basilicon, Zinc, Lanoline, White Precipitate, Nursery Pomade, Healing Camphor Ice, Camphor and Eucalyptus Ice and Cold Cream.

$\frac{1}{2}$ oz. ... **9/-** per gross
1 oz. ... **15/-** "
Boracic, Carbolic, Cocoonut Oil, Sulphur, Yellow Basilicon, Cold Cream and Zinc.
2 oz. ... **28/-** per gross

Blue Ointment
 $\frac{1}{2}$ oz. Tins ... **15/-** per gross
1 oz. " ... **27/6** "
1 oz. Pots ... **4/-** per dozen
2 oz. " ... **5/3** "

Modern Pack Keen Price

POTS
Boracic, Carbolic, Cocoonut Oils, Sulphur, Yellow Basilicon, Zinc, Lanoline, White Precipitate, Nursery Pomade, Healing and Cold Cream.

1 oz. ... **2/8** per dozen
2 oz. ... **4/-** "

POTS IN CARTONS
Boracic, Zinc and Cold Cream.

1 oz. ... **2/10** per doz.
2 oz. ... **4/3** "

Collapsible Tubes
Cold Cream, Lanoline, Boracic, Zinc, Glycerine Jelly, Glycerine and Cucumber Cream, Glycerine and Honey Jelly, Vanishing Cream and Witch Hazel Cream.
One dozen on attractive Display Card.
3/9 per dozen

3 gross assorted less extra 5%, 5 gross assorted less extra 7½%.

Maw's Ointments are made and presented in a manner which does credit to pharmacy. Their quality, their appearance, their uniformity, their variety and their competitive prices enable you to protect your ointment business from outside competitors. In whatever form you want ointments, Maw's offer you the best source of supply.

Replenish your stocks now.

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.

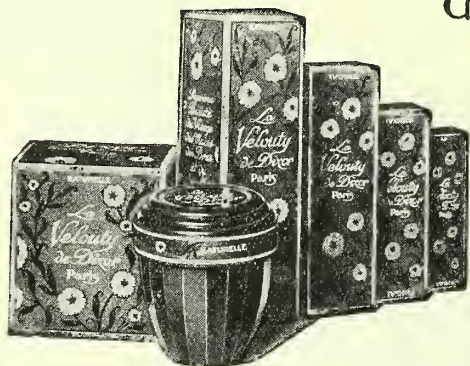
Telephone :
Nat. 2468
(Private Branch Exchange)



Telegrams :
"Eleven, Cent, London."

The original combined Cream and Powder

VELOUTY de DIXOR



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

PRICES:—No. 1. Handbag tube	3/- doz.	Retail -/4½
No. 2. Small tube	4/-	„ -/6
No. 3. Medium tube	7/-	„ 1/-
No. 4. Large tube	14/-	„ 2/-
No. 5. Super tube	22/-	„ 3/-
Pots (glass)	21/-	„ 2/9
Pots de luxe (unbreakable)	36/-	„ 4/6

Made in four shades:

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the Manufacturers:

DIXOR, LTD., 68, Newman St., Oxford St., London, W.1

Sole Distributors for

Northern Ireland: **ROBERT MAYRS & CO., 43 Chichester Street, BELFAST**
Irish Free State: **MAY, ROBERTS & CO. LTD., Grand Canal Quay, DUBLIN**

Super Concentrates to produce COLOGNE PERFUMES

**ORDINARY
COLOGNE
STRENGTH**

10/- Pint.

Eau de Cologne
only.

TEST
SAMPLE
SUPPLIED.

TO PRODUCE
ONE
PINT EAU
DE COLOGNE
(or any perfume)
TAKE



**EXTRA
COLOGNE
QUALITY**

15/- Pint.

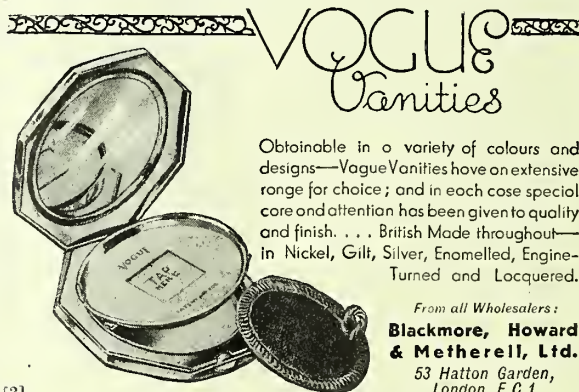
Also the following:
CARNATION.
CHYPRE.
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COLOGNE
FANTASIA „
JASMIN.
LAVENDER
WATER
LILAC.
LILY OF THE
VALLEY
MIMOSA.
OPOPONAX.
SWEET PEA.
VIOLET
and others.

“SUPER CONCENTRATE” 1 OZ.
METHYLATED SPIRIT - - 19 OZS.

MIX, AND PERFUME IS THEN READY FOR USE.

By this process, fragrant refreshing Perfumes are possible,
costing 1/- per pint, equal to any Continental make.

CLAYTON & JOWETT, Ltd., 46 Wood St., Liverpool



Obtainable in a variety of colours and designs—Vague Vanities have an extensive range for choice; and in each case special care and attention has been given to quality and finish. . . . British Made throughout—in Nickel, Gilt, Silver, Enamelled, Engine-Turned and Lacquered.

From all Wholesalers:

**Blackmore, Howard
& Metherell, Ltd.**
53 Hatton Garden,
London, E.C.1

62% Profit on Turnover
by selling

PEROX
SUPER PEROXIDE
TOOTH PASTE
(Double Strength)

6d. and 1/-, price protected.

Sold by Chemists only.

Extensive range of Display Material.

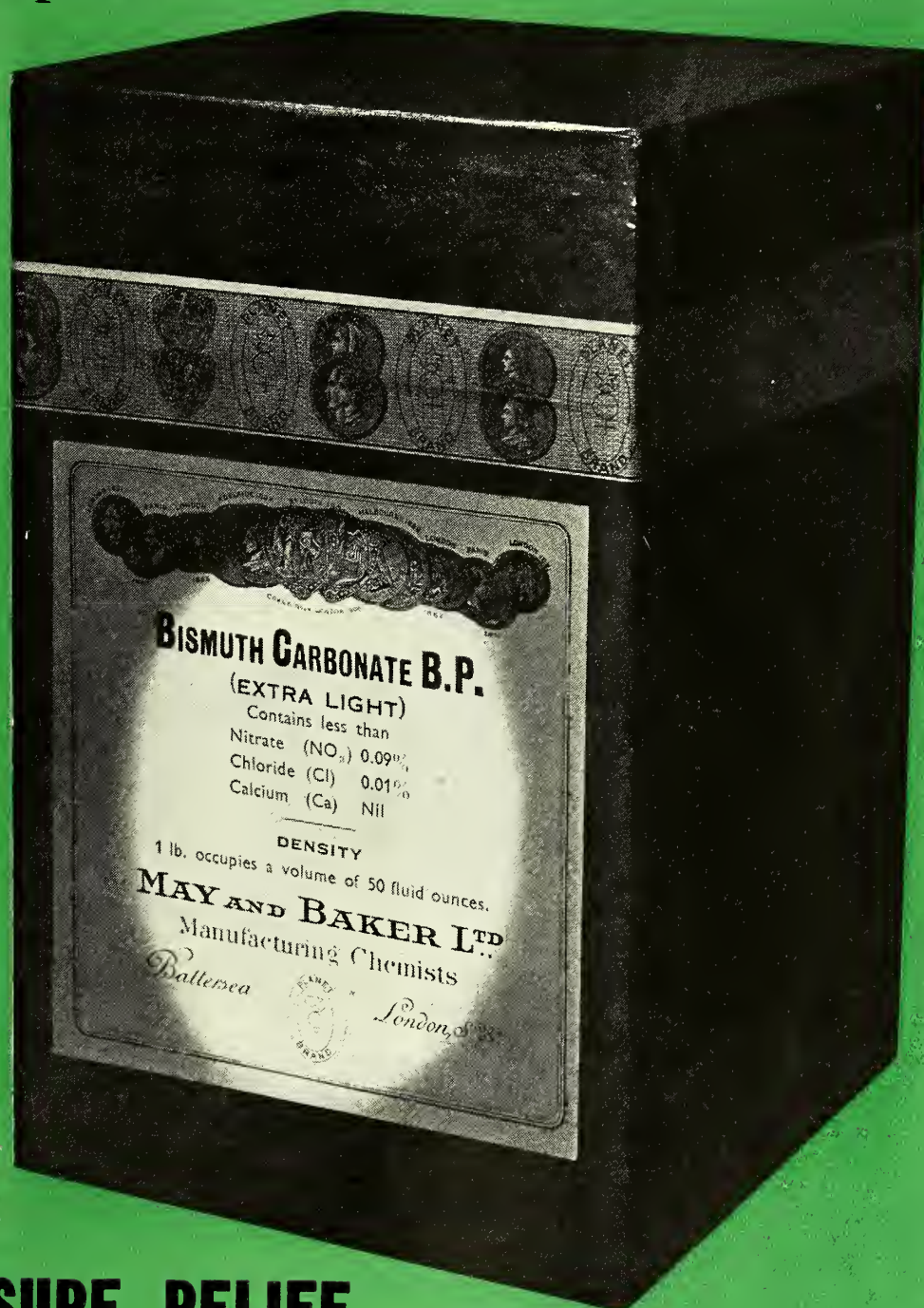
BRITISH MADE

Send also for range of “Own Name”
packs and keenest quantity terms

PEROX LTD. 12, Chenies St., W.C.1.

FOR DIGESTIVE TROUBLE in GASTRIC INFLUENZA

—dispense *Bismuth Mixture*



TO ENSURE RELIEF

—dispense the lightest and Purest
Bismuth Carbonate

MAY AND BAKER LTD.
Manufacturing Chemists
BATTERSEA, LONDON, S.W.11

BUY
BRITISH
PHENOLPHTHALEIN

Manufactured by

MAY & BAKER Ltd.

Battersea, S.W.11

Roger & Gallet

for finer Face & Toilet Soap



SERIES 795

Retail price
1/9 per tablet

FEU FOLLET
CARNATION
SANTAL
LILY of the
VALLEY

LAVENDER
VIOLET
HELIOTROPE
FLORES
de TOKYO

ROSE
JASMIN
DRAGON FLY
LILAC
NEW MOWN HAY
WALLFLOWER
JOCKEY CLUB
PEAU D'ESPAGNE
FOUGERE
CHYPRE
VERBENA



SERIES 1405. BATH SOAP

Retail price 1/6 per tablet

CARNATION
VERBENA
LAVENDER
CHYPRE
SANTAL
VIOLETTE
FOUGERE
ROSE
EAU DE COLOGNE

SERIES 1420

Retail price 1/3 per tablet.

CARNATION	HELIOTROPE
CHYPRE	LAVENDER
VIOLETTE	LILAC
SANTAL	ROSE
MUGUET	VERBENA
FOUGERE	EAU DE COLOGNE



Roger & Gallet guarantee that all their Perfumes, Eaux de Cologne, Toilet Waters, Hair Lotions, are prepared with the best, purest, potable, dutiable S.V.R. spirit obtainable, and not with methylated nor any other industrial spirits known as "DUTY FREE"

ROGER & GAILLET

1, LECHMERE ROAD, LONDON, N.W.2.
LONDON & PARIS



How would it be if we decided to “cut the cackle” and Sell more?

I wonder if you saw this bit of so-called “selling copy” in a newspaper advertisement a few days ago? It went something like this: “*Having attained the age of maturity, every young person of the feminine sex desires to acquire a new personal environment in which she will be supremely dominant.*” Now this piece of “beautiful nonsense,” for that’s all it is, was accompanied by some costly artwork of a very modernistic nature, and, as the message was addressed to the middle and lower class type of girl, I am wondering how long it will be before the advertiser says “advertising doesn’t pay.” If he had said, “*She’s twenty-one now with ideas of her own,*” his expenditure might have been a good investment. This is no time for “artistic lullabies,” Gentlemen, and those “arty” layouts may suit a few Chelseaites, but the majority of people who purchase your goods are mostly the everyday type of human beings who will readily absorb a selling message if it is presented to them in a manner they can understand. I think it is so much more profitable to address people *as they are*—not as some highbrow would like them to be. Money has got to be made and every Pound you put into Advertising should definitely pull its weight. So make up your minds, Gentlemen, to cut out all the pettifogging foolishness and the camouflage and in their place buy more thought, skill and ability.

Service Dept.
THOMAS WAIDE
& SONS LTD.



We, of Thomas Waide and Sons Ltd., The Printers of Kirkstall Rd., Leeds, have often been told our ideas are unusually sound and that we have the ability to produce Resultful Printing at the most economical cost, too

AYRTON'S BLACK & MAUVE DRESSINGS

A client: "I have finished worrying about Surgical Dressings. I give AYRTON'S my contract and finish with it. The quality is the finest, and prices are always competitive. If I buy on a low market I benefit by my foresight: if prices go lower than my contract I get the benefit on my very next delivery.

"Besides, AYRTON'S CARTONED DRESSINGS are a real shop boon, besides being favoured by the medical and the public."

CARTONED DRESSINGS AT N-H-I TARIFF—or less for contract quantities

Ask for sample pack and quotation for your quantity

WATERGLASS in 'THIRTY-THREE

A choice of brilliant packs at competitive prices.

All-tin lever-lidded containers labelled in choice of three smart designs available for chemist's own name in 1-, 2-, 4-, 7-, and 14-lb. sizes, or brilliantly decorated enamelled all-tin containers (1-lb. and 2-lb. sizes). This pack is not suitable for "own name." 1-cwt. drums also available.

State your quantity and ask for special prices with specimen labels or tin.

THE CHEMIST'S PACK IS AN AYRTON PACK

AYRTON SAUNDERS & CO. LTD., Manufacturing Chemists, LIVERPOOL
and at 44-46 NORTH LOTTS (off Bachelor's Walk), DUBLIN

**SOMETHING
NEW**

Queen Anne FACIAL POWDER

Chiffon Texture

Delightful window and counter displays available. Keep a display of "Queen Anne" Powder in the window—big sales are certain. Order now through your usual wholesaler or direct from



Strong advertising is now appearing for "Queen Anne" Powder. It is unique, new, appealing, sales - increasing! Thousands will buy and buy again—because of "the chiffon texture." It is a seller with immense possibilities. Two sizes only, 6d. and 1/-. The most outstanding value in luxury facial powder—supreme quality with the exquisite fragrance of the finest, the truest, the most caressing perfume in the world—

Queen Anne Lavender.

Marlborough & Co., Ltd., 491-3 Liverpool Rd., London, N.7.



THE

FIRST BOTTLE SELLS MANY MORE!

The first bottle of this hair-dye sold over your counter is the forerunner of many more, and means that you have gained another consistent customer. Recommend Nuctone to your customer—sell it with the same confidence that you would a shampoo—Nuctone has made hair-dye sales safe.

Order from your Usual Wholesaler

Nuctone
SAFE FOR GREY HAIR

use PREEMO PERFUME ESSENCES

In the MANUFACTURE of your
TOILET PREPARATIONS.

You can always rely on the
quality and uniform strength
of the

PREEMO ESSENCES.

They will mix freely with spirit,
water, fat and oil.

Send for Free Samples
and Price List.

THE PREEMO CO.

63 High Holborn, London, W.C.1.



JACKEL'S HAIR CREAMS

"50 YEARS OF THE BEST."

Originated 50 years ago, Jackel's Hair Creams made fame and reputation—became greatly popular all over the world and easily hold that popularity through absolute quality.

It is sound business to sell Jackel's products.

TRADE TERMS:

JACKEL'S HAIR CREAM

11/6 per dozen, retailing at 1/6 per bottle.
18/- " " 2/6 "

OILAFIX

12/- per dozen, retailing at 1/6 per bottle.
20/- " " 2/6 "

JACKEL'S HAIR CREAMS

MADE IN GLASGOW

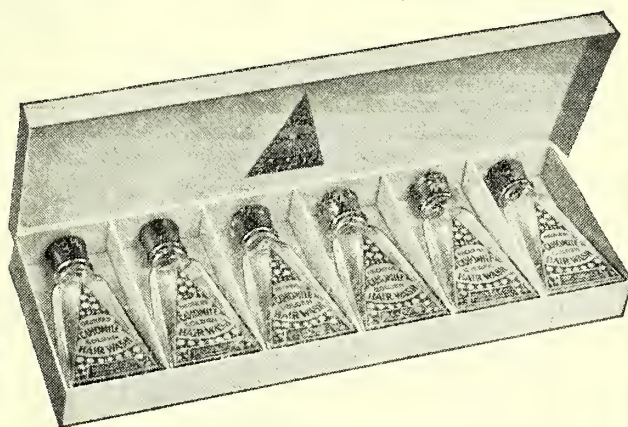


EVERY

Chemist can sell this
much-wanted line ..

DECKER'S CAMOMILE GOLDEN HAIR WASH

AN
EXCELLENT
PRODUCTION



The preparation
which gives lighter &
more beautiful hair

PRICE 10/- DOZ.

AGENTS:

OSBORNE, GARRETT & CO.
LTD.

51-54 Frith St., Soho, W.1

Branches at BIRMINGHAM, GLASGOW, MANCHESTER

SELEXA

UNIFORM QUALITY

The Quality Blade

The sale of this blade is increasing Daily—so get a share of the profit showing turnover which is being done with this Super Blade—the choice of all discriminating shavers.

RETAIL

2 for 3^d.

1/6 dozen

**TRADE PRICE
10/6 GRS.**



This handsome collapsible Show Stand sent free with every gross.

Obtainable from MAY ROBERTS & CO. LTD.,
BROOKS & Warburton LTD., OR
FROM YOUR USUAL WHOLESALE.

Further distributors wanted at home and abroad

Selecta Mfg. Co., Ltd.

29 BARTHOLOMEW CLOSE, LONDON, E.C.1

EVERY MAN WHO SHAVES IS A PROSPECT!

You will never find a better selling proposition than the Pifco SHARPEX Razor Blade Sharpener. It makes an instant appeal to every man who shaves himself. Demonstrate this wonderful instrument and let your customers see it. They will be interested. There is no instrument in the world as good as a Pifco SHARPEX. It is simple to use and there is nothing to break. Stock up today. Write for liberal trade terms from PIFCO LTD., High Street, MANCHESTER, or 150 Charing Cross Road, London, W.C.2, and all good class factors.

2/-
STANDARD MODEL

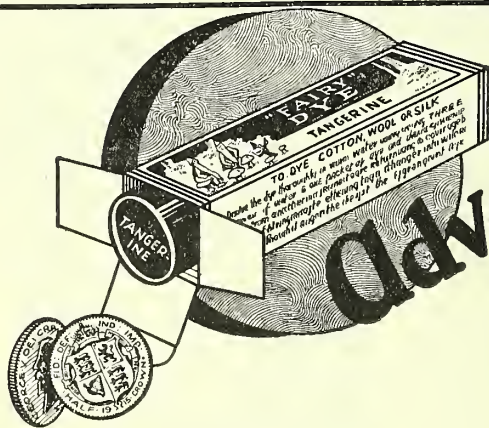
5/-
DE LUXE MODEL



Pifco

SHARPEX

RAZOR BLADE SHARPENER



Advertised goods yield quick profits

FAIRY DYES

are big sellers—always in popular demand. They mean quick turnover and liberal profits. Fairy Dyes are forging steadily ahead and you should periodically inspect your stocks.

Retailed at 2d. per tube—attractively packed. 31 shades and colours.

Be wise—stock

**LONDON DEPOT:
292 UPPER ST.,
ISLINGTON - N.1**

Fairy Dyes

FAIRY DYES, LTD., GLASGOW, N.W.

Well advertised in the popular woman's Magazines. To show it is to sell it.

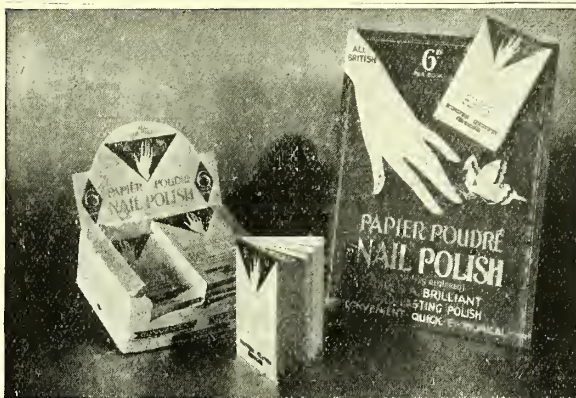
PRICE 6^d.

4/- per dozen

Special Display Discount

6 dozen, 7½% 12 dozen, 10%

Packed in attractive display
outers with showcord as illustrated



PAPIER POUDRÉ NAIL POLISH

Pat. No. 382,735

Sold by all Wholesalers or direct
from the Sole Manufacturers and
Proprietors:

PAPIER POUDRÉ LTD.
46 Baker St., LONDON, W.1



"Yvonne"

Splendid Show material available.
Write to day for Samples and Prices.

W.J YVONNE et CIE, Ltd.

ROUGE LIPSTICK POWDER
the LEADING 6d. LINES

and the BIGGEST SELLERS

8a, Lord Street, LIVERPOOL. (Also London & Paris)



CUT OUT thick cardboard LETTERS
IN ANY COLOUR. SIZE 1" FOR NOTICES, etc.

Can be fixed **100** for **2/-** Send for Samples
anywhere for and Price Lists

Dept. B, ALLAN MANUFACTURING CO. LTD.

37 Farringdon Street, E.C.4.

Makers of DAYLIGHT (SUNGLO), ELECTRIC and
High-Class Signs of all types

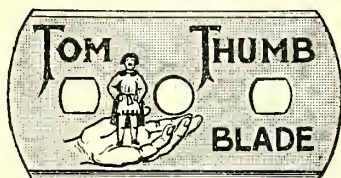
**HALEX—the best-selling
branded Dental Plate Brush**

BRITISH XYLONITE CO. LTD., HALE END, E.4

HANG IT

**UP AND LET
IT SELL ITSELF**

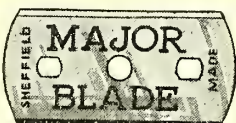
1^d.
Each
Retail



MADE BY
GEORGE IBBERTSON & CO.
Razor Works, 146 West St., Sheffield

British Made

**Sheffield's
Newest Shaving
Edge**



Regd. Trade Mark 530,151/70025

RETAIL PRICE 1d. EACH; 6 FOR 6d.

Made on latest automatic machinery,
ensuring utmost uniformity of keen edges,
on Steel heat-treated under rigid scientific
control... **THE SMOOTHEST SHAVER**

SEND FOR FREE SAMPLE AND TERMS TO:

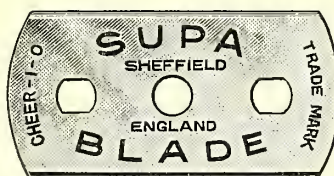
DOMINION STEEL CORPORATION LTD.

"Fleet" Works, Queen's Road, SHEFFIELD.

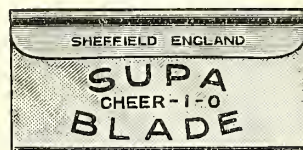
ADVERTISED ON L.G.O. 'BUSES.

**SUPA
CHEER-I-O BLADES**

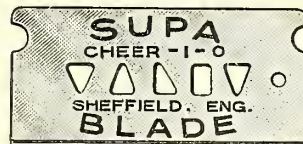
2^d
EACH



IN
THREE
PATTERNS

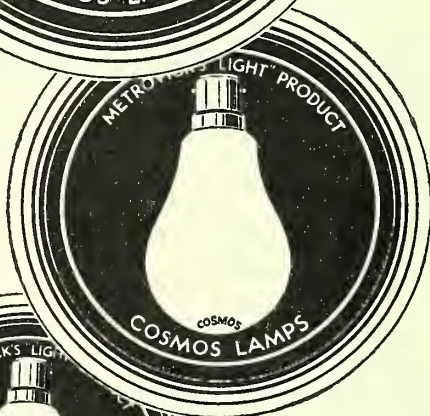


IN
THREE
PATTERNS



Manufactured by

THE WAFER RAZOR Co., Ltd.
EARSHAM STREET, SHEFFIELD



Brilliant shopwindow displays and interior illumination never fail to attract potential customers to your store.

Such light is obtainable with

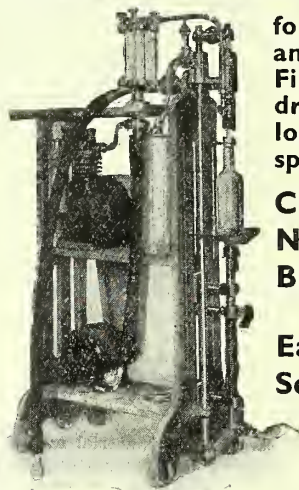
COSMOS LAMPS

METROVICK'S 'LIGHT' PRODUCT

METROPOLITAN-VICKERS ELECTRICAL CO., LTD.
TRAFFORD PARK MANCHESTER

SB
234

ROBERTS' PATENT "LEO" VACUUM FILLER



for Glass, Stone, and Tin Bottles. Fills all sizes from drachm to quart—long, short or sprinkler neck.

Clean and Rapid
No Over Filling
Broken Bottles Rejected
Easy to Clean
Self Rinsing

WRITE FOR
PARTICULARS

Roberts' Patent Filling Machine Co.

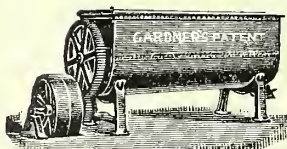
T. ROBERTS, Proprietor,

33 Roundcroft Street, Bolton, Lancashire

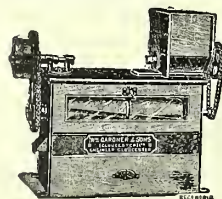
Makers of every description of Bottle Filling and Shallow Jar and Tin Filling Machine for the Chemists' use.

ALL RIGHTS RESERVED

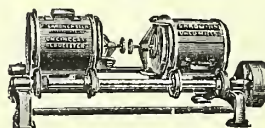
GRINDING SIFTING MIXING



Patent "Rapid" Mixer.



Patent "Rapid" Sifter.



Gardner Ball Crushing Mill.

for Chemical purposes must be rapid, super-fine, of laboratory accuracy, and absolutely consistent.

Gardner machines perform all these operations in the most efficient way.

They are economical and efficient; a high standard is maintained in the quality and quantity of their output.

Details and Catalogue of all Gardner plants from

WM. GARDNER & SONS (Gloucester) LTD.

BRISTOL ROAD, GLOUCESTER

Telephone: 2288 (2 lines).
Telegrams: "Gardner, Gloucester."
London Office: 19 Gray's Inn Chambers,
20 High Holborn, W.C.1.
Telephone: Chancery 7347.

NOW more than ever before **YOU** can! sell these Outfits!

DOCTORS, Nurses and Beauty Specialists are daily recommending these TROJAN H.F. Outfits. Their unbiased opinion has half sold the Outfit before your customer enters the shop.

The TROJAN High Frequency Electrical Outfits relieve Rheumatism, Sciatica, Lumbago, Gout, Insomnia, Neuritis, Asthma, Bronchitis, Catarrh, etc., and can be operated by an entirely inexperienced person.

Write to-day for full details
**JOHN SHAW & SONS
WOLVERHAMPTON LTD.**
(Established 1795)

Head Office and Works:
WOLVERHAMPTON

Telephone: 21212

Telegrams: "Shaw,
Wolverhampton"

London Branch:
29 Shoe Lane, E.C.4



FLU has trebled the demand for these Outfits!

NOW that the Flu season is here are you taking full advantage of the splendid sales opportunities it offers? During the past few weeks hundreds of TROJAN Electric Inhalers have been sold by Chemists all over the Country.

The TROJAN Electric Inhaler is unequalled for the relief and prevention of Influenza, Colds, Coughs, Catarrh, Asthma, Bronchitis, etc. Just switch on and in a few seconds a steady stream of warm, soothing, germ-destroying vapour is produced which clears the respiratory tubes and organs as if by magic.

Write today for full details.

**JOHN SHAW & SONS
WOLVERHAMPTON LTD.**

(Established 1795)

Head Office and Works:
WOLVERHAMPTON.

Telephone:
21212.

Telegrams:
"Shaw,
Wolverhampton"

London Branch:
29 Shoe Lane,
E.C.4.



WESTMINSTER COLLEGE OF PHARMACY.

WILLS' UNIVERSAL POSTAL SYSTEM

FEES (GT. BRITAIN & N. IRELAND).

PRELIMINARY SCIENTIFIC COURSE . . . £1 10

QUALIFYING COURSE . . . £1 10

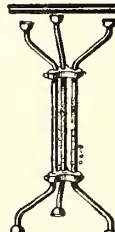
APOTHECARIES' HALL COURSE . . . £1 11 6

REVISION PAPERS—Details on application.

POSTAL COURSE PROSPECTUS POST FREE
from The Secretary,

190 CLAPHAM ROAD, S.W.9.

CHROMIUM PLATED DISPLAY FITTINGS—



No. CD/SF5116c

Metal Display
Tripods with
Rubber Buffers
top and bottom.

**CHROMIUM
PLATED
finish**

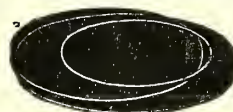
9 in. 2/8 each
12 in. 3/8 "

16 in. 4/8 each
18 in. 5/8 "

Send for a copy of our full list of Shopfittings No CD 1360 free.

DUDLEY & CO. LTD., 451 Holloway Road, LONDON, N.7
City Showrooms: 65-66 Finsbury Street, E.C.2.

Modern Display needs
Black Glass Ovals



No. CD/SF 5141 Black Glass Ovals.
Rounded and Polished edges.

Stocked in 3 sizes only:

14 1/2 x 10 in. . . . 4/- each
18 x 12 in. . . . 5/8 "

20 x 15 in. . . . 7/8 "

*The Bridge between
Making and
Taking*



WILKINSON
PHARMACISTS' PRINTER

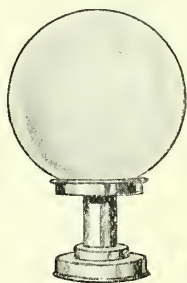
FOR
LABELS

**PENDLETON
MANCHESTER**

ENVELOPES, BILLHEADS, MEMOS.
DANGEROUS DRUG & POISON REGISTERS
CARTONS, WRAPPINGS, Etc. Etc.

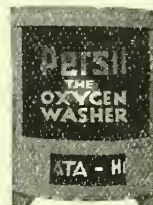


"LUMENA" ADVERTISING SIGNS



TO HELP YOUR SALES
COLOUR AND MOVEMENT SAY
"STOP—LOOK—BUY"

"LUMENA" SIGNS ARE DESIGNED FOR
SHOP WINDOWS AND SHOWROOMS
SHOWING CONSTANT MOVEMENT OF
BEAUTIFUL COLOURS



LUMENA LIMITED, LAMBERT PLACE,
SHEFFIELD 3

PRECIPITATED CHALK

LIGHTEST—MEDIUM—DENSE.
And All Other Grades To Suit Every Purpose.
CHEMICALS FOR ALL INDUSTRIES.

Phone : Mansion House 7300. Tel. Add. : "Levermore, Phone, London."

A. LEVERMORE & CO. LTD. ABC Codes,
110 CANNON STREET, LONDON, E.C.4. 5th & 6th Editions.

WINNER STOCKING DYES

Make **OLD, FADED** or **SPLASHED** STOCKINGS of any material like **NEW** again.

Smartly packed in Waxed Tubes and Cartons. Supplied in 12 Latest Stocking Colours :—Copper Beech, Sootian, Nude, New Brown, Beige, Bulrush, Cocoa, Florence Mills, Rose Glow, Smoke Grey, Dago, Gunmetal. Price 2/- per dozen. Retail 3d. per Tube. Very attractive Display Case free with one gross. Order to-day from :—

WHITAKER & CO. (Kendal) LTD.



WINNER HOME DYES

THE FINEST OBTAINABLE for **WOOL, SILK, COTTON, etc.**

Smartly packed in Waxed Tubes and Cartons. Supplied in 24 Specially Concentrated Fast Colours :—Black, Navy Blue, Blue, Saxe Blue, Royal Blue, Fawn, Brown, Dark Brown, Nigger Brown, Purple, Lavender, Mauve, Green, Dark Green, Emerald, Red, Pink, Cherry, Old Rose, Grey, Cream, Yellow, Orange, Brick. Price 2/- per dozen. Retail 3d. per Tube. Very attractive Display Case free with one gross.

Dye Specialists for Chemists, **KENDAL, ENG.**

GUMS

TRAGACANTH and ARABIC

As Imported or Finely Powdered

WHITE SHELLAC

FREDK. FINK & CO., 10 & 11 Mincing Lane, London, E.C.3
Telephone : ROYAL 5094.

"VITAMIN TESTED YEAST"

Yeast specially prepared for medicinal purposes

GUARANTEED ABSOLUTELY PURE

MIDGLEY & PARKINSON, LTD., Warren Works, Pudsey, LEEDS

Sole selling agents for Great Britain—

THE OLD STRAND CHEMICAL & DRUG CO., LTD.
Audrey House, Ely Place, London, E.C.1



SHADEINE FOR TINTING GREY HAIR

This popular article is largely advertised and stocked by all Wholesale Houses.

Trial size 8d. per doz. — — — 6/-
1/4 size, per doz. — — — 12/-
2/6 size, per doz. — — — 24/-
2/9 size, per doz. — — — 36/-

The **SHADEINE Co. 58, Westbourne Grove, London, W.2**

PHOSPHATE OF SODA, Pure

For Food Purposes

ASK FOR SAMPLE AND PRICES

PERRY & HOPE, LTD.

Forth and Clyde Chemical Works, NITSHILL.

Telephone : Giffnock 414 (2 lines).

Telegrams : "Perryope, Nitshill."

SELL BRITISH!

HARROGATE SPA SPARKLING TABLE WATER

Bottled and Aerated for the Corporation of Harrogate from one of Harrogate's 88 Springs by **CAMWAL LTD.**

AQUAPERIA The British Medicinal
Aperient Water
Bottled by **CAMWAL LTD.**

CAMWAL Ltd. Factories at : London, Manchester,
Birmingham Bristol, Harrogate.

WEST END OFFICES : 123 Pall Mall, S.W.1

We supply no one but Chemists and Druggists with
"SAFEGUARD" Rubber Goods
They are of Highest Quality and Packed Hygienically.

Samples and Prices on application.

BURGE, WARREN & RIDGLEY, LTD.

91/92 GREAT SAFFRON HILL, E.C.1

Phone : Holborn 0050. Telegrams : Drugsund, Smith, London.

Cachet CLOSING and FILLING machines
4/6 to 52/6
to suit all Dispensing Requirements.

WRITE FOR ILLUSTRATED LIST.

THOS. CHRISTY & CO., 4-12 Old Swan Lane, LONDON, E.C.4.

You'll sell more Yeast Tablets if they're



'SUSTENOID' BRAND PURE YEAST TABLETS

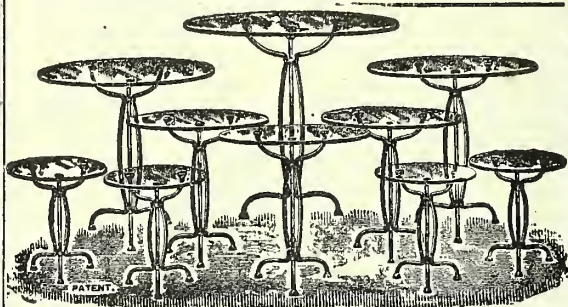
These tablets are made of pure dried yeast without any admixture. They are 100% pure dried yeast. Yeast is in favour. Make the most of it by stocking and displaying Sustenoid brand, and thus build up a regular repeat business. A display on your counter will prove an investment. Excellent show material supplied free.

Write for a special trial parcel. It costs very little and you will find you have never handled a better line for quick sales and big profits.

Minimum Retail—	
6d. per bottle of 25	
1/6 " " 100	
Wholesale—	
4/- and 10/6 per doz.	
Parcels of 35/-	
3/9 and 10/- per doz.	
BIG PROFITS.	
Large Parcels—	
3/3 and 9/- per doz.	

THOMPSON & CAPPER WHOLESALE LTD.
MANESTY BUILDINGS, COLLEGE LANE, LIVERPOOL

KING'S MODERN DISPLAY FITTINGS



J. C. KING'S "CROWN" WINDOW DISPLAY SET No. M421.

Consisting of the following units:—

4-9" Metal Display Stands complete with 4-8" Diam. Glass Circles.
 3-12" - - - - - 3-12" × 9" Glass Ovals.
 2-15" - - - - - 2-15" × 10" Glass Ovals.
 1-18" - - - - - 1-18" × 12" Glass Oval.

New First Quality Glass Throughout, 1" thick. Polished Edges.
 Metal Stands Finished Brown Bronze.

THE SET £2. 7. 6. COMPLETE.

No. H2804 AN EXACTLY SIMILAR SET TO THE ABOVE
 BUT ALL METAL STANDS CHROMIUM PLATED FINISH

THE SET £3. 2. 6. COMPLETE.

WE WILL BE PLEASED TO FORWARD OUR COMPLETE
 CATALOGUE No. 1013 POST FREE ON APPLICATION.

J. C. KING LTD.

42-60, GOSWELL ROAD, LONDON, E.C.1

PHONES: CLERKENWELL 2316 (6 LINES).

WENBERY

**HOT
WATER
BOTTLES**
**DRAB, RED
and
MOULDED**

*Are British
Made.*

Can be sold at
competitive
prices and give
every satisfaction.



Tredegar House,
Cardiff.

College Lane,
Liverpool.

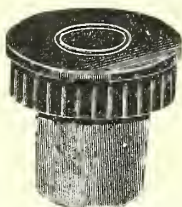
"NEWBERYS"

(FRANCIS NEWBERY & SONS LTD.)

CHARTERHOUSE SQUARE, LONDON, E.C. 1

STOPPERS

AND BAKELITE SCREW CAPS



200 Varieties
Any Colour.

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.



T. WEBSTER & Co., Ltd.

Diamine House, Middle Lane, Hornsey, LONDON, N.8

Telephone: Mountview 0952

"STATIC"

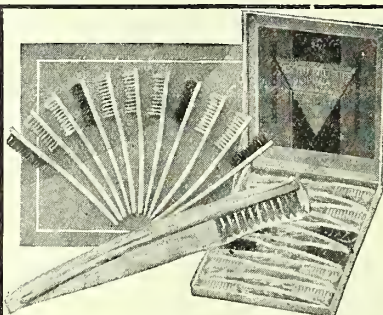
Reg. No. 523,323

**TOOTH
BRUSH**
BONE HANDLES
WHITE,
UNBLEACHED,
OR BLACK
BRISTLES

Names free on
6 doz. lots.

6/6 per doz.

From all wholesalers



MANUFACTURERS.

W. R. SPEER & SON, 215 Dalston Lane, E.8.

EST. 100 YEARS.

NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

MANY SUCCESSES IN THE EXAMINATIONS

Your Opportunity to

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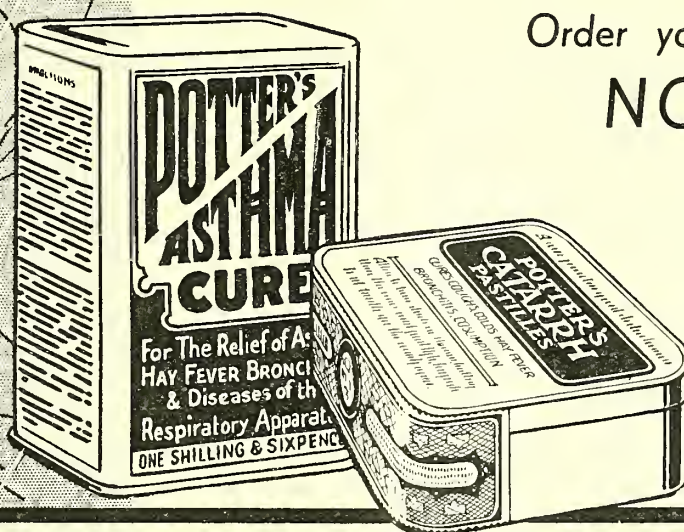
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News of the Week

Import Duties—Imperial Preference

The Board of Trade have issued the Import Duties (Imperial Preference) No. 1 Regulations, 1933, the provisions of which will come into operation on April 1, 1933. These regulations provide that whereas at present goods of the classes mentioned in the schedule can claim Empire preference if they contain a minimum of 25 per cent. Empire material and labour, such goods will, as from April 1, have to contain a minimum of 50 per cent. Empire material and labour, in order to secure Empire preferential treatment. Included in the schedule are the following classes and descriptions of goods:—

Plate and sheet glass, whether bevelled, silvered, or otherwise finished or not. Illuminating glassware, table glassware, toilet glassware and ornamental glassware.

Glass bottles and glass jars, including glass stoppers. Beakers, flasks, burettes, measuring cylinders, thermometers, tubing and other scientific glassware and lamp-blown ware.

The following articles manufactured wholly or partly of the metals aluminium, copper, lead, nickel, tin, zinc and alloys containing any of these metals: Sheets and strip, rods, plates, angles, shapes and sections, wire, tubes, foil and hollow-ware.

Cutlery.—Knives with one or more blades made wholly or partly of steel or iron. Scissors, including tailors' shears and secateurs, made wholly or partly of steel or iron. Razors, including safety-razors and blades therefor. Hair clippers. Carving forks. Knife sharpeners, wholly or partly of steel. Component parts of or blanks for any of the above mentioned articles.

Galvanometers, pyrometers, electroscopes, barometers, analytical and other precision balances, and other scientific instruments and component parts thereof, gauges and measuring instruments of precision of the types used in engineering machine shops and viewing rooms, whether for use in such shops or rooms or not (but not including microscopes, field and opera glasses, theodolites, sextants, spectroscopes and other optical instruments and component parts thereof).

Unexposed sensitised photographic paper, cloth, plates and film (including cinematograph film) and spools therefor.

Electrical goods including: Wireless apparatus, electric carbons, electric lighting appliances and fittings, batteries and accumulators, electric cooking and heating apparatus, electric meters, part of, and accessories to, the above.

Wireless valves and similar rectifiers and vacuum tubes.

Ignition magnetos and permanent magnets.

Arc lamp carbons and amorphous carbon electrodes.

Paints, painters' enamels, lacquers, varnishes and printers' inks. Distempers, whether dry or not. Pigments and extenders (whether dry or with oil or other medium) other than the following: Natural dyes; synthetic organic dyestuffs, colours and colouring matters; dry earth colours, barytes, silica, graphite and carbon black from natural gas.

Trunks, bags, wallets, pouches and other receptacles made wholly or partly of leather or material resembling leather, whether fitted or not.

Transparent cellulose wrapping.

Manufactures wholly or partly of rubber, balata or gutta percha (including vulcanite and ebonite).

Toilet preparations (excluding essential oils) of the following descriptions: Toilet soap; tooth paste or powder and liquid preparations for dental purposes and mouth washes; toilet paste or powder; toilet cream; hair dyes; scented sachets; lipstick, rouge and grease paint; preparations for use in manicure or chiropody; preparations for use on the hair, face or body; bath salts and essences; smelling salts; prepared fullers earth.

Toilet requisites of the following descriptions: Powder bowls or boxes and powder puffs; nail polishers; nail clippers, nail cleaners and nail files; denture bowls; manicure sets; parts of the above articles.

Pen nibs, fountain pens, stylographic and other pens, propelling pencils, paper clips and fasteners, stationery glassware and parts of any such articles.

Hair combs.

Clocks and clock cases.

Copies of the Regulations may be obtained from H.M. Stationery Office, Kingsway, London, W.C.2. price twopence.

Health and Hygiene Exhibition

The sixth Health and Hygiene Exhibition, organised by the "Daily Dispatch," was opened at the City Hall, Manchester, on January 24, by Sir Leonard Hill, and continues until February 4. The Public Health Department of the City have given it their whole-hearted support. The main features in this Exhibition are more of the type of practical demonstrations of pure food, correct dieting and physical culture than matters of purely pharmaceutical interest. Among the exhibitors calling for special mention are the following:—**JEWSBURY & BROWN, LTD.**, have a display of mineral waters, Tazaro cordials, syrups, non-alcoholic wines, and their well-known Oriental tooth-paste and "J. & B." health salts. **THE MANCHESTER CORPORATION PUBLIC HEALTH DEPARTMENT** have an interesting dental section, with specimens and models. **THE IGLODINE CO., LTD.**, are exhibiting Iglodine and Iglodine specialities. **A. WANDER, LTD.**, have an attractive display of Ovaltine, Ovaltine rusks, Ovaltine chocolate and Jecomalt. **T. J. BILSON & CO.** have a striking exhibit of Bilson's Nerve Food, Laxative Cleanser, and Rheumatic Cleanser. Bilson's Nerve Food, it is stated, contains organic phosphorus, calcium, sodium, and iron. Other stands include those of **CADBURY BROTHERS, LTD.**; **MANCHESTER ROYAL INFIRMARY**; **THE GRE-SOLVENT CO.**, and **THE MARMITE FOOD EXTRACT CO., LTD.**

Society of Apothecaries of London

At the dispensing assistants' examination, held on January 23, 25 and 26, the following candidates were granted the certificate of qualification to act as an assistant to an apothecary in compounding and dispensing medicines:—

Atkey, J. M.
Baker, B. M. W.
Barker, G. W.
Barry, M. H.
Beynon, I.
Boff, M.
Buckley, G. M.
Burnett, J.
Buttiner, S.
Clarke, E. M.
Cobb, C. J.
Daughtry, J.
David, Y. M.
Dent, M. J.
Doberman, E.
Eagle, N. V. A.
Fielding, I.
Foale, L. E.
Fowler, V. M.

French, L. M.
Geering, E. T.
Grant, M. L.
Grice, E.
Guest, E. R.
Hanlon, R. S.
Harrison, N.
Hay, M. A. M.
Hill, J. J.
Hodges, M. D.
Hunter, J. F.
James, B. L.
Jensen, C. M.
John, E. M.
Kaye, M. S.
Makins, A. F.
Mallett, F. H.
Maynard, M. A.
Nattriss, J. M.

Neilan, J. P.
Nott, B.
Othick, M.
Ottaway, M. W.
Plumb, A. B.
Robinson, J. E.
Sanday, T. J.
Smith, M. E. F.
Saynor, A. M.
Senior, M.
Snow, A. M. M.
Taylor, J. E.
Tetley, D. E. J.
Udall, E. G.
Wade, R. N.
Warde, D. J.
Wilson, K.
Woollard, Z. M.

Inquests

A verdict that the cause of death was the taking of aspirin tablets by misadventure was recorded by the Stoke-on-Trent coroner at a recent inquest on the body of Kathleen Latham, aged twenty-three months. It was stated that the child found a box of aspirin tablets and took three or four of them.

An inquest was held recently on the body of Mr. Alexander Smith Allen, described as a chemist's managing director, of Francis Road, Leyton, London, E., who, the evidence showed, committed suicide by taking hydrocyanic acid. It was stated that Mr. Allen had no reason for taking his life, and a verdict was given accordingly.

The Camberwell (London) coroner held an inquiry, on January 26 and January 30, concerning the death of Mrs. Matilda Hooker, Paulet Road, S.E. Dr. J. A. Gardner, lecturer on biochemistry at St. George's Hospital, said he found in the stomach of the deceased a solution of nicotine. He extracted enough nicotine from the organs to kill a large number of people. It was a very rare poison. He found that this poison could be bought retail for 1s. 6d. per oz., and was used for smoking fly off roses and as a weed-killer. He felt strongly of opinion that some restriction ought to be enforced as to the sale of such a powerful poison. Dr. Creed said that he found acute inflammation of the stomach due to the action of some corrosive irritant. One usually came across such cases of poisoning where sailors had swallowed quids of

tobacco. Mr. A. H. Walkyier, chemist and druggist, produced the poison-register of a Clapham branch of Taylors (British Chemists), Ltd., showing that Mr. Hooker purchased one oz. of nicotine on March 22, 1932. Recording a verdict of "Accidental death," the coroner said he thought the woman took the poison in mistake for a purgative. "The public aspect of the matter is of considerable importance," he continued. "It is obvious, from what the police say, that the public as a whole are entirely unaware of the highly dangerous nature of this poison. Also there can be very little doubt it is well used in agricultural districts for agricultural purposes and also by amateur gardeners. That makes it more necessary that it should not be dispensed in a highly concentrated form. In my humble judgment it should always be diluted, and I hope that chemists at large will consider this warning in the public interest. The matter seems of sufficient importance for me to communicate with the Government Department concerned in the matter."

Miscellaneous

POISON-LICENCE APPLICATION.—Mr. W. H. Steele, seedsman, Whitehaven, has applied to the Town Council for a licence to sell agricultural and horticultural poisons.

UNIVERSITY OF LONDON.—A course of six public lectures on "Chemical Structure and Pharmacological Action" will be given by Mr. H. R. Ing, M.A., D.Phil., at University College, Gower Street, W.C.1, on Mondays, at 5 p.m., beginning on February 13. The lectures are open without fee or ticket.

DENTAL REGISTRATION FEES.—The Privy Council has made an Order (S.R. & O., 1933, No. 16: Stationery Office, 1d.) confirming the amendments made by the Dental Board of the United Kingdom at its November session (C. & D., November 26, 1932, p. 636) in respect of registration fees. The annual fee for retention on the Register (except for the two years immediately following the year of registration) is £3 for 1933, £3 10s. for 1934, and £4 afterwards.

IN THE COURTS.—At Marylebone Police Court, London, recently, five men were committed for trial on charges which included breaking into a branch of Boots, Ltd., in Harrow Road, W., and stealing goods valued at £65.—In the Chancery Division of the High Court, on January 31, the British Optical Association was granted an injunction restraining Mr. B. J. Hughes, Priory Place, Doncaster, from using any title or words calculated or contrived to lead to the belief that he was a member or Fellow of the plaintiff Association.—At Thames Police Court, on February 1, Walter Collier, formerly of Upper North Street, Poplar, was fined £20, with £10 10s. costs, for practising as a dentist without being registered.

LEICESTER COLLEGE OF TECHNOLOGY.—A visit was paid by the Scientific Society of the Leicester College of Technology to Messrs. Bass's brewery, Burton-on-Trent, on January 26. The party, of which pharmacy students formed the majority, were conducted through the co-operation, where they saw the complete process of cask-making. The operation of brewing was explained by a very efficient guide, and the chemistry laboratories were also visited. The party were entertained to tea, Mr. Foster, the chief chemist, acting as host.—A series of twelve lectures for pharmacists is being delivered at the College by Dr. E. W. Goodwin. The series comprises four lectures on vaccines, etc., four on endocrinology, and four on dietetics and vitamins.

DANGEROUS DRUGS ACTS.—At Marlborough Street Police Court, on January 30, Marcella Leonie Fester (35), Goodge Street, W.1, was charged with being in possession of a "dangerous" drug without being authorised. Mr. Francis Peregrine, barrister, for the defence, at first pleaded "Not guilty," but eventually pleaded "Guilty." The accused was bound over for three years with a residential condition, and was ordered to pay £6 6s. costs.—At Doncaster, on January 31, Albert H. Watkinson, Armthorpe, described as an unregistered dentist, was sentenced to three months' imprisonment, and was fined £1 on each of three summonses, on charges of obtaining unlawfully 72 gr. of cocaine hydrochloride from a chemist and of practising dentistry.

Scottish Notes

"A Certain Liveliness" in Inverness

In "The Inverness Courier" of January 20, and in various other newspapers, there appeared a statement by the Rev. William Sutherland, East Church of Scotland, Inverness, to the effect that the chemists of the town, or some of them, were selling methylated spirits as a beverage on Sundays. Sometimes, he continued, the concoction was disguised as a pick-me-up. With the addition of picturesque details, such as that the amount supplied was gauged so that the recipients did not collapse too near the chemists' premises, the speaker went on to say that "there was difficulty in obtaining evidence against chemists who sold methylated spirits on Sundays, but the whole population should boycott them." This challenge has evoked a spirited reply in the "Courier" from Mr. S. Hendry and Mr. J. Stark, chairman and secretary respectively of the Inverness and North of Scotland Branch of the Pharmaceutical Society. We quote the principal passages:—

"Mr. Sutherland is probably not aware that by the Customs and Excise Regulations it is unlawful for anyone to sell methylated spirits between the hours of 10 p.m. on Saturday and 8 a.m. on Monday, under a penalty of £100. Methylated spirits may be sold and is sold by traders other than chemists. The Pharmaceutical Society has made inquiry, and taken precautions to act in consort with the police to prevent the evil of methylated spirit drinking, and all chemists are expected to—and we believe do—co-operate in this common endeavour by refusing to sell methylated spirit at any time if they have the slightest suspicion that it is to be used otherwise than for a legitimate purpose. We have no evidence that any chemist in Inverness has ever sold methylated spirits for drinking, nor have we ever heard of it being put up in the form of a 'pick-me-up,' and we have no hesitation in saying that chemists in Inverness do not sell methylated spirits for any purpose on Sunday."

The letter ends by suggesting that this "very grave aspersion on the chemists of Inverness" should be withdrawn. Another letter in the "Courier," signed "William James Oliver," puts the matter pertinently in this form:—"The question which immediately arises is, whom are the public to boycott? If the public boycotts all the chemists, then the doctors of Inverness must step to the fore and dispense their own prescriptions. That they will do so is very unlikely. If the public know whom to boycott, then why is not action taken by the police?"

Brevities

Miss Annie I. Donald, M.A., B.Sc., has been appointed part-time demonstrator in botany in the Pharmacy Department of Robert Gordon's Colleges, Aberdeen.

The article by Mr. Maben in the *C. & D.* of January 28, entitled "An Old Photograph," has evoked more than one appreciation from pharmacists who remember some or all of the examiners in Edinburgh to whom it refers.

Irish Notes

Pharmaceutical Society of Ireland

At the recent Licence examination of the Pharmaceutical Society of Ireland the following passed with honours (arranged according to merit):—Miss G. Lavery; C. D. O'Shea; W. J. Gardner; H. J. F. Draffin. The following passed (alphabetically arranged):—M. Bree; P. J. Carragher; C. Clarke; Miss R. A. Carolan; D. Glavey; A. J. Lyons; B. J. McGarry; J. J. Sullivan.

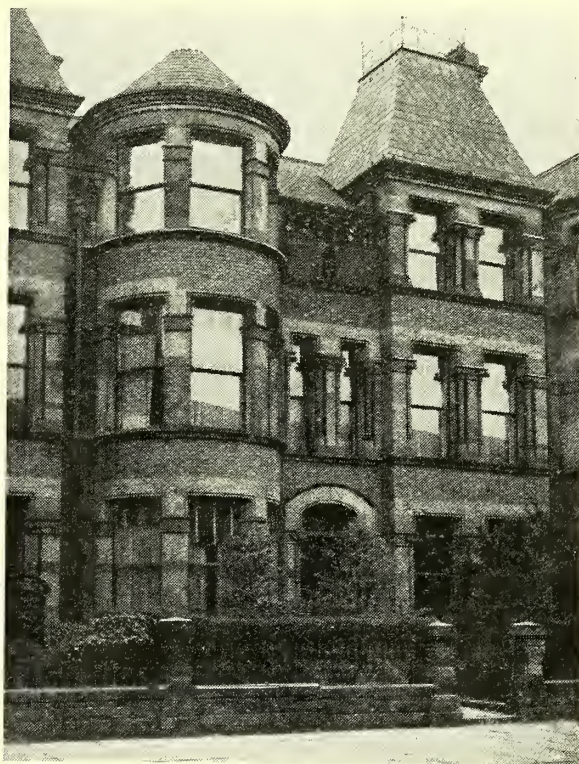
Two candidates entered for the Registered Druggist examination: neither was successful.

At the Assistants' examination the following passed (alphabetically arranged):—J. F. Barragry; G. Chambers; S. Coleman; M. J. Farrell; J. Rogers.

Pharmaceutical Society of Northern Ireland

At a meeting of the House Purchase Committee of the Pharmaceutical Society of Northern Ireland, on January 27, arrangements were completed for the purchase of the new headquarters of the Society at 2 Princess Gardens,

Belfast. The house is a very roomy one, and with alterations it will be entirely adapted for the administrative and general work of the Society. There will be a large room for public meetings, with accommodation for the



Society's library, specimens and exhibits. The price paid has been about £2,000. A considerable sum will be spent on alterations. The Society hopes to enter into possession during the summer.

Brevities

Mr. B. A. Kearns, Ph.C., has opened a pharmacy at Main Street, Glenarm.

Sir Thomas McMullan (member of the Council of the Pharmaceutical Society of Northern Ireland) has been elected to the Advisory Committee of the Ulster Banking Co., Ltd.

Coming Events

Wednesday, February 8

Birmingham Pharmaceutical Association, Botanical Gardens, Edgbaston, from 8 p.m. until 1 a.m. Dance. Tickets, 3s. 6d. each.

Croydon Pharmacists' Association, Café Royal, North End, Croydon, at 7 for 7.15 p.m. Annual dinner and dance.

Pharmaceutical Society of Great Britain, Bath and District Branch, The Pump Room, Bath, at 8 p.m. Mr. W. Deacon (a member of the Society's Council) on "The Romance of Perfumes."

Salford Pharmaceutical Association, Griffin Hotel, Lower Broughton Road, at 6.30 p.m. for 6.45 p.m. Annual dinner. Tickets 7s. 6d. each.

Thursday, February 9

School of Pharmacy, Students' Association, Trocadero Restaurant, Piccadilly Circus, London, W.1, at 6.30 for 7 p.m. Annual dinner. Tickets 10s. 6d. each.

Friday, February 10

Edinburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, Edinburgh, at 8 p.m. Mr. M. Y. Orr, F.R.S.E., on "Evolution" (lantern lecture).

National Pharmaceutical Union, Sheffield Branch, Church House, at 8.30 p.m. Mr. C. W. Hobson (a member of the National Executive) on "National Advertising."

Standardisation of B.P. Biological Products

A LARGE and representative audience was present at the Leicester College of Technology on January 18, when Mr. F. Wokes, B.Sc., F.I.C., Ph.C., gave a lecture on "The Standardisation of the Biological Products of the New British Pharmacopœia." The occasion was a joint meeting of the Leicester and Leicestershire Branch of the Pharmaceutical Society and the Chemistry Section of the Leicester Literary and Philosophical Society. Mr. F. S. Burford, F.I.C., Ph.C., was in the chair. Mr. Wokes commenced by stating that the biological assays of the B.P., 1932, might be divided into two classes. In the first a high degree of accuracy was not required, e.g., old tuberculin (used mainly for diagnostic purposes), vitamin D (in which there was no danger from moderate overdosing), tetanus antitoxin, gas-gangrene antitoxin and diphtheria antitoxin (in which the chief concern was sufficient dosage). In the second group the correct dosage lay within very narrow limits, and accurate standardisation was essential, e.g., for pituitary extract, insulin and digitalis the units were as follows:—

Pituitary Extract	...	...	The activity in 0.5 mgm. of the standard preparation.
Insulin	...	...	The activity in 0.125 mgm. of the standard preparation.
Digitalis	...	...	The activity in 100 mgm. of the standard preparation.

The introduction of biological standardisation had reduced the wide variation in potency within safe limits.

Mr. Wokes dealt with the standardisation of digitalis and made clear the method of calculating the amount required of any of the preparations of digitalis when the drug was ordered in units. For digitalis, one unit of activity was contained in (a) 1½ gr. of powdered digitalis; or (b) 300 minims of fresh infusion of digitalis; or (c) 15 minims of tincture of digitalis.

ERGOT AND COD-LIVER OIL

Ergot and cod-liver oil were mentioned as examples of two pharmacopœial substances for which biological assays had been replaced by colour tests, made possible by the careful application of biological methods. A short account of the numerous investigations of ergot served to illustrate the invaluable part played by the biological assay method introduced by Broom and Clark. Finally, the difficulties of the cod-liver oil colour test were described and compared with that given under ergot.

In the discussion which followed, Mr. W. A. Broom spoke of the ideal of chemical methods of assay. Mr. A. R. G. Chamings referred to the disparity between clinical evidence in the use of ergot and the results produced by laboratory methods of assay. He remarked that the great difference in ergotoxine content between Russian and Spanish ergot had not caused the elimination of the former from the B.P. Mr. Wokes said this was due to great variability in supply. Mr. E. B. Ward proposed a vote of thanks to the lecturer.

Topical Reflections

By Xrayser

This Year's Conference

is seemingly being planned, so far as local arrangements are concerned, on a more ambitious scale than anything to which we have been accustomed in the past. According to Mr. Linstead (*C. & D.*, January 28, p. 89) there are to be some extra-pharmaceutical attractions to distinguish the meeting in London next July; and I would venture to suggest that, in view of modern developments in medical practice and pharmaceutical interest therein, steps should be taken to secure the attendance at the science sessions of a number of medical practitioners. This, however, is probably more a matter for the Conference Executive to give attention to; possibly the Council of the Pharmaceutical Society could see its way to giving up one of the half-days devoted to delegates' meetings for the purpose of a special medico-pharmaceutical conference on matters of common interest to the two professions. But the more important point is that the week's programme should be arranged on a national or imperial rather than a parochial basis. London pharmacy may, as Mr. Linstead suggested, be somewhat lacking in a corporate spirit, but it is surely quite equal to rising to the occasion if properly called upon.

New Zealand Chemists

appear to have faced the difficulty of serious price cutting boldly (*C. & D.*, January 28, p. 87), though the only way in which they could defend their position as legitimate dealers in drugs and medicines was by organising a system of price reduction, designed to prevent further loss of business by their customers being attracted away from their pharmacies. With no arrangement for price protection, such as our P.A.T.A. scheme, prevailing in their country, this was obviously the only satisfactory way in which they could proceed, and it must be realised that no isolated efforts by individual chemists could properly have met the case, because of the tendency to react upon the business of other chemists. Rightly, therefore, resort was

had to co-operation, and the success which is reported to have attended the joint efforts of our New Zealand brethren is most gratifying. We are told that, although the scheme arranged has been operating for only a short time, more customers have come to the chemists for the lines offered at cut rates, the big cutters have lost interest in the articles of which the sales are now being nursed by the associated chemists, and many manufacturers have seen the desirability of taking steps to maintain their turnover by regaining the goodwill of the chemists. The moral of the affair is, obviously, that chemists can accomplish by co-operation much which is otherwise beyond their power. And though we are fortunate in having the P.A.T.A. to safeguard our interests so far as protection of the prices of many proprietaries are concerned, it should not be overlooked that there may be other directions in which the value of co-operative effort by British chemists can be made manifest.

Education and Apprenticeship

in pharmacy are discussed by "Meteor" in a manner that shows a marked break away from convention (p. 96). So much so that his comments have the effect of a refreshing breeze in sweeping away cobwebs and haziness from the subject. There is much to be said in support of his arguments respecting the extent to which the influence of the British Pharmacopœia prevails in the pharmacy syllabus of the Chemist and Druggist Qualifying examination, and the desirability of taking steps to reform that syllabus drastically, so that examination requirements may accord more closely with modern business requirements. But it must not be overlooked that everyone who qualifies as a pharmacist is not going to carry on business of the same type, and that examination syllabuses generally must be devised to cover all possibilities. I should be disposed to include in our syllabus all that "Meteor" asks for, but there must be other matter besides if the syllabus is to be as comprehensive as the needs of our time demand.

Dr. C. H. Hampshire at Sheffield

A JOINT meeting of the Sheffield and District Branch of the Pharmaceutical Society and the Sheffield Branch of the British Medical Association was held on January 27, Mr. C. W. Hobson (president) in the Chair. There was a large attendance. Dr. C. H. Hampshire, B.Sc., F.I.C., Ph.C., delivered a lecture on

The British Pharmacopœia, 1932

The lecturer, after describing the organisation of the Pharmacopœia Commission and giving a general account of the revision, referred to some of the new drugs, in particular those requiring biological standardisation. Discussing vitamins, Dr. Hampshire said that the Pharmacopœia did not include a standard for vitamin D in cod-liver oil for a number of reasons. The biological test is lengthy and expensive to carry out, and can only be economically applied by drawing a sample from a very large bulk of oil. For unofficial purposes it was possible to adopt the practice of taking a number of barrels at random from a consignment, bulking them and drawing a sample for test. This, of course, gave a result which might possibly differ from the result which would be obtained by bulking the whole consignment, and such a procedure would be unsuitable for inclusion in the Pharmacopœia. The Pharmacopœia includes an antimony trichloride colour test for cod-liver oil, and gives a minimum standard of blue value, but is careful to dissociate the antimony trichloride test from any standard for vitamin A. It is generally considered that the antimony trichloride test provides a means of determining vitamin A, and that the results coincide with the biological tests on concentrated material; but in the view of some experts the application of the test to cod-liver oil is liable to be vitiated by the presence of other chromogenic substances in the oil. It seemed probable that, in the near future, vitamin A and vitamin C would be definitely established as individual chemical substances.

Some points in which the Pharmacopœia would be helpful to dispensing pharmacists were discussed, such as the methylated preparations and the concentrated waters and infusions. In connection with doses some important changes in the dosage of potent drugs were mentioned, and it was pointed out that the doses of the preparations of certain standardised drugs had been adjusted to correspond with the strength of the active ingredient. He had been asked recently why the maximum dose of dry extract of hyoscyamus had been reduced from 8 gr. to 1 gr., although the alkaloidal standard remained unchanged. A comparison of the doses and strengths of the preparations of the three solanaceous drugs was interesting, as illustrating the way in which the doses had been adjusted.

HYOSCYAMUS

B.P. 1914

Hyoscyami folia ...	Not standardised ...	No dose.
Ext. hyoscy. liq. ...	Not included ...	—
Ext. hyoscyami ...	0.3 per cent. of alkaloids	2 to 8 gr.
Tinctura hyoscyami	Not standardised ...	$\frac{1}{2}$ to 1 fl. dr.

B.P. 1932

Hyoscyamus ...	Not less than 0.05 per cent. of alkaloids.	3 to 6 gr.
Ext. hyoscy. liq. ...	0.05 per cent. w/v of alkaloids.	3 to 6 min.
Ext. hyoscy. sicc. ...	0.3 per cent. of alkaloids	$\frac{1}{4}$ to 1 gr.
Tinct. hyoscy. ...	0.005 per cent. w/v of alkaloids.	30 to 60 min.

BELLADONNA

B.P. 1914

Belladonnæ folia ...	Not less than 0.3 per cent. of alkaloids.	No dose.
Ext. bellad. liq. ...	0.75 per cent. w/v of alkaloids.	No dose.
Ext. bellad. sicc. ...	1 per cent. of alkaloids	$\frac{1}{4}$ to 1 gr.
Tinct. bellad. ...	0.035 per cent. w/v of alkaloids.	5 to 15 min.

B.P. 1932

Bellad. pulverat. ...	0.3 per cent. of alkaloids.	$\frac{1}{2}$ to 3 gr.
Ext. bellad. liq. ...	0.75 per cent. w/v of alkaloids.	$\frac{1}{4}$ to 1 min.
Ext. bellad. sicc. ...	1 per cent. of alkaloids	$\frac{1}{4}$ to 1 gr.
Tinct. bellad. ...	0.03 per cent. w/v of alkaloids.	5 to 30 min.

STRAMONIUM

B.P. 1914

Stramonii folia ...	Not standardised ...	No dose.
Tinctura stramonii	Not standardised ...	5 to 15 min.

B.P. 1932

Stramonium ...	Not less than 0.25 per cent. of alkaloids.	$\frac{1}{2}$ to 3 gr.
Tinct. stramon. ...	0.025 per cent. of alkaloids (approx. $\frac{1}{2}$ B.P. 1914).	5 to 30 min.

Tincture of hyoscyamus, B.P., 1914, was not standardised. In the B.P., 1932, a standardised tincture is included having approximately the same strength as the B.P., 1914 tincture, and the doses are kept the same. The alkaloidal strength of the dry extract is kept the same as the extract of hyoscyamus, B.P., 1914, and it is, therefore, necessary to reduce the maximum dose to 1 gr. The dry extract of hyoscyamus thus comes into line with the other powerful alkaloidal extracts having doses $\frac{1}{4}$ to 1 gr. The doses and alkaloidal strengths of belladonna and stramonium preparations correspond similarly among themselves, but the doses of the preparations of the three solanaceous drugs do not correspond when compared on the basis of alkaloidal strength. For instance, extractum hyoscyami siccum, with 0.3 per cent. of alkaloids, has the same dose as extractum belladonnæ siccum with 1 per cent. of alkaloids. It would have meant considerable changes in the pharmacy of these preparations, and in the dosage, in order to bring all three drugs into line. However, such a course was unnecessary and probably inadvisable, because medical men appear to regard these drugs separately, using each in its proper place in prescriptions for special purposes. The prescriber follows his clinical experience in these matters, and is not so much interested in accurate proportions of "the alkaloids calculated as hyoscyamine." It should be noted also that these drugs and their preparations may contain alkaloids in different proportions, and the determination of total alkaloids "calculated as hyoscyamine" is not necessarily a measure of their clinical value. The reasons why hyoscyamus should be used for relieving spasm in some cases, while belladonna was used in others, and why stramonium should be preferred in paralysis agitans or the similar condition following encephalitis lethargica might form the subject of a useful inquiry. It was obvious that dosage cannot agree with alkaloidal strength in all instances. For instance, one would not expect the doses of tincture of opium and camphorated tincture of opium to correspond with the proportions of morphine. The two tinctures were used for entirely different purposes.

Discussion

THE CHAIRMAN, in opening the discussion said that he regretted the changes in liquor arsenicalis, particularly the omission of the colouring material which was useful in distinguishing the solution from other poisonous liquids. He thought that it would have been a great advantage if standards for the vitamins in cod-liver oil could have been included. The Lassar's paste included in the Pharmacopœia differed from the formula usually dispensed. The difficulties which arose with ipecacuanha wine were regrettable; it was a pity that the change to tincture of ipecacuanha had been thought necessary. The concentrated liquors were a great convenience, and it was to be hoped that in future Pharmacopœias the principle of concentrated liquors for syrups would be extended. He thought that the unification of doses for different classes of

preparations was a great advantage, and they should be continued and extended. It would be of value to the pharmacist if alterations to the Pharmacopœia could be issued from time to time in the form of supplements, instead of being reserved for a complete new issue at lengthy intervals. The task of acquainting himself with new formulas and methods, and of adapting his business to them, was a heavy one for the pharmacist.

MR. AUSTEN commented on the value of the Pharmacopœia to medical men and pharmacists. He regarded the Parrish's food included in the Pharmacopœia as being too acid and containing too much iron; much better formulas were available. He criticised the changes in Gregory's powder.

A MEMBER asked as to the legal position of a pharmacist who continued to supply Parrish's food according to an established formula of his own, even though the formula differed from that in the Pharmacopœia.

MR. ANTCLIFFE raised the point of the application of Section 15 of the Pharmacy Act, 1868, to the case of Parrish's food, when formulas differing from that of the Pharmacopœia were used. He appreciated the desire of the Commission to reduce the number of drugs having identical or similar actions, but thought that in some cases it had been carried too far. For instance, the retention of ammonium bromide in the Pharmacopœia would have been justified. He was surprised to find acriflavine included in preference to proflavine, which he personally found to be much more commonly employed. He had no doubt everyone would agree that the new British Pharmacopœia was the finest Pharmacopœia in the world.

MR. E. PRESTON referred to the variation in the formula for Gregory's powder, and stated that on the books of his business there was a formula for Gregory's powder containing chamomile. With regard to Dakin's solution, although the formula did not call for standardisation of the solution after preparation, it did require the standardisation of chlorinated lime. He inquired as to the meaning of the term "reagent purity," used in the Appendix.

DR. HAMPSHIRE, replying to the discussion, said that the question of colour in liquor arsenicalis had been thoroughly discussed. The advantages of colouring poisons were stressed by some people, but on the other

hand there were those who pointed out that other poisonous liquids, such as liquor strychninæ and liquor hydrargyri perchloridi, were left uncoloured. The Pharmacopœia did not use the name Lassar's paste; pasta zinci oxidi composita was intended as a base to which the dermatologist could add in suitable proportions such drugs as salicylic acid or ichthammol. The difficulty with ipecacuanha wine was understood; it was advisable to fall in with the requirement of the International Agreement and exclude medicinal wines from the Pharmacopœia. The foot-notes had been added in an endeavour to make clear what the pharmacist should do, and to protect him in his work. The Introduction to the Pharmacopœia foreshadowed the issue of supplements when required. The formula of Parrish's food in the Pharmacopœia was that of the British Pharmaceutical Codex. Other formulas containing less acid were deficient in iron and in calcium; it was largely a matter of opinion, and medical opinion had favoured the British Pharmaceutical Codex preparation. With regard to the legal position, he thought that a good deal depended on the labelling, but if a syrup prepared according to a formula other than that of the Pharmacopœia was supplied and called in question, it would be for the Court to decide whether the purchaser had been prejudiced. Section 15 of the Pharmacy Act made it an offence to compound otherwise than according to the British Pharmacopœia, but it would be difficult to prove wrongful compounding. No doubt many people regretted the disappearance of familiar drugs from the Pharmacopœia, but it should be remembered that the selection had been made after consultation with a very large number of people and public bodies. There was no doubt that Dr. Gregory wrote a number of different prescriptions for his powder. The formula for Dakin's solution was designed to give the dispenser the minimum amount of trouble, and all that was necessary was to keep in a stoppered bottle a standardised supply of chlorinated lime, which would remain unchanged for a considerable time under these conditions. The term "reagent purity" had been the subject of more than one inquiry; it simply replaced the expression "of commerce pure" which was used in the British Pharmacopœia, 1914.

A vote of thanks, proposed by Mr. H. ANTCLIFFE and seconded by Mr. E. PRESTON, was cordially awarded to the lecturer.

Legal Reports

Application Refused.—In the Chancery Division of the High Court, London, on February 1, Mr. Justice Eve had before him a summons by Sir Henry Fildes, as the purchaser of the business and assets of Heppells, Ltd., wholesale and retail chemists, asking for an order that the receiver and manager of the company be directed to deliver accounts so as to give effect to what the applicant alleged was the agreement for sale. Mr. W. F. Swords, K.C., for the applicant, said on August 2, 1926, the company issued a debenture to Martin's Bank, Ltd., to secure a loan of £74,000; and on April 1, 1930, the company issued a second debenture to Hodders, Ltd., chemists, to secure a loan of £40,000. The receiver and manager was appointed on February 17, 1931, and on March 31, 1931, the company was ordered to be wound up compulsorily. On July 2, 1931, the company's business and assets were sold to Sir Henry Fildes for £91,500, the sale being completed on November 30 following. The point raised by the summons was that the receiver sought to impose on the purchaser liability for debts of the company. (The receiver) was appointed, amounting to some £12,000. These included rent which had accrued as due down to the preceding Christmas, amounting to something like £5,000, and the apportionment of rent from that date until February 17. Mr. Swords submitted that all outgoings to the time the purchaser took possession must be satisfied by the vendor, and they should

have been discharged by the receiver out of funds borrowed on behalf of the debenture holders. Mr. Gavin T. Simonds, K.C., for Martin's Bank, Ltd., contended that the receiver and manager was bound to make the payments in question, which he now sought to get discharged, for the purpose of carrying on the business. The agreement for sale was clear on the point. His lordship said the application was misconceived and must be refused, with costs. The receiver and manager had brought into his account the payments for rent, etc., which he had made in order to maintain the business as a going concern, and these were payments which the purchaser must accept as proper and necessary to the business.

Interim Injunction.—In the Chancery Division of the High Court, London, on January 27 and January 30, Mr. Justice Bennett again had before him the motion, adjourned from January 20, by Irving's Yeast-Vite, Ltd., against Mr. Frederick Alexander Horsenail, Canterbury, for an interim injunction restraining infringement of the trade mark "Yeast-Vite" and from passing off a preparation not made by the plaintiff company as and for Yeast-Vite (*C. & D.*, January 28, p. 82). Sir Leslie Scott, K.C., who now appeared with Mr. Kenneth Swan for the plaintiffs, said his case was that on the true meaning of the Trade Marks Act a registered trade mark was a property in respect of which the Act gave the owner a right of property, with the consequence, stated in the Act,

that a trespasser upon that property was committing a wrong. A trade mark was not merely an indication of the origin of the goods but also a valuable advertisement of the goods; and the use of the mark by a competitor without any deception at all might mean great damage to the owner, and was an infringement. If a person, in order to puff his own goods, used the trade mark of somebody else, then the trade mark was infringed. Concluding his argument on January 30, counsel submitted that the defendant's use of the trade mark "Yeast-Vite" could not help being an infringement, even though the defendant said his yeast tablets were not Yeast-Vite tablets. The defendant exhibited posters, one of which stated: "Don't buy a name. The formula of patent medicines is anyone's property. We have a substitute for the following," and the list included Yeast-Vite. An analysis showed that the composition of defendant's yeast tablets was widely different from the composition of Irving's Yeast-Vite tablets. His lordship, giving judgment, said he would grant an interim injunction restraining passing off, but would not grant an interim injunction in regard to alleged slander of goods. The important part of the matter related to the alleged infringement of trade mark. The Court of Appeal, in the case of *Edward Young & Co. v. Grierson Oldham & Co.*, known as the "port wine case," refused to grant an injunction restraining the use of a representation of a bullock cart as part of a trade mark, on the ground that the defendants did not use it as a trade mark but merely as a badge, representations of that kind being in common use in the trade. It seemed to him that they decided the right of a registered proprietor of a trade mark was only infringed if the person who used his mark did so for the purpose of indicating the origin of the goods to which it was applied. He had therefore to ask himself whether the label fixed by the defendant on his bottle of yeast tablets was use of the word "Yeast-Vite" for the purpose of indicating that the goods were the goods of the plaintiffs, and in his judgment he could not come to that conclusion upon a fair interpretation of the label. He was bound by the decision of the Court of Appeal in the case he had mentioned, and must refuse an interim injunction restraining infringement.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office

LESLIE AND HOMES, LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, etc. R.O.: 3a Terminus Road, Littlehampton.

WHOLESALE DISTRIBUTORS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of wholesale and retail chemists, sundriesmen and factors, etc.

BEDFORD PHARMACY (BIRKDALE), LTD. (P.C.).—Capital £100. Objects: To carry on the business of chemists, druggists, opticians, etc. R.O.: 29b Bedford Road, Birkdale, Southport.

WAVERLEY MEDICAL SUPPLY COMPANY, LTD. (P.C.).—Registered in Edinburgh. Capital £100. Objects: To carry on the business of chemists and druggists, etc. R.O.: 7 West Register Street, Edinburgh.

HEALEY'S CHEMISTS, LTD. (P.C.).—Capital £500. Objects: To acquire the business of a drug dealer and optician now carried on by John A. Healey at 57 and 59 Sheffield Road, Chesterfield, as "John A. Healey."

CARROLL AND PRICHARD, LTD. (P.C.).—Capital £500. Objects: To carry on business as manufacturers of and dealers in chemicals, drugs, perfumes, proprietary articles, etc. R.O.: 23 Hanbury Road, Bargoed, Glam.

T. M. HOWARTH, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of merchants, including photographic, chemical, surgical and scientific apparatus and appliances, etc. R.O.: 54 High Street, Stevenage, Herts.

McKESSON & ROBBINS, LTD. (P.C.).—Capital £100. Objects: To carry on the business of manufacturing chemists, dealers in and importers and exporters of crude medical and technical drugs, essential and animal oils and products, importers, exporters and manufacturers of and dealers in perfumes and toilet requisites, etc. Solicitors: Oswald Hickson, Collier & Co., 6/9 Surrey Street, Strand, W.C.2.

Private Arrangement

John James Walsh, 43 Abingdon Street, Blackpool, chemist and druggist. The creditors met at Blackpool recently, when the statement of affairs showed liabilities of £2,181 13s. 3d., made up as follows:—Trade creditors £768 19s., professional services £65, bankers £172 14s. 3d., cash creditor £300, and insurance company £825. After allowing £19 3s. 2d. for preferential claims, the net assets were £712 15s. 11d., or a deficiency of £1,468 17s. 4d. The assets comprised cash at bank £114 0s. 10d.; cash in hand £2 18s. 3d.; stock, at cost, £1,014 8s. 11d., expected to produce £550; fixtures and fittings £50; and book debts £48 17s. 10d., valued at £15. It was stated that the bank held a third-party guarantee. The turnover between September 1, 1931, and March 31 of the following year was £1,311, with a gross profit of £312, but after allowing for the expenses there was a net loss of £106. Since April 1 of last year the sales had been £2,099, with a gross profit of £753, and a net profit of £133. The debtor believed that the business could be continued profitably. An offer was made of a composition of 6s. 8d. in the £, which it was decided should be accepted.

Trade-Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1933, p. 329.

(From "The Trade Marks Journal," January 25, 1933.)

- "POPOFLOR"; for chemicals (1). By O. Pragnell & Co., Ltd., 25-27 Broadmead, Bristol. 537,295. (Associated.)
- "EVERLASTIC"; for chemicals (1). By T. & W. Farmiloe, Ltd., 19-23 Rochester Row, London, S.W.1. 537,456.
- "SICPA"; for an ointment for the udders of cows, etc. (2). By The Lane Trading Co., Ltd., 10 Idol Lane, London, E.C.3. 536,503.
- "TRICOPLAST"; for plasters (3). By Beiersdorf, Ltd., Bessemer Road, Welwyn Garden City, Hertfordshire. 532,713. (Associated.)
- "GLORIA"; for a medicated liquid or powder for use in dietetic food as a flavouring or essence (3) and for goods (42). By Gloria Products, Ltd., 12 Spring Street, Hyde Park, London, W.2. 534,885/886. (Associated.)
- "KIMOC" with design of "Red Indian" on oval shape; for ointments, liniments and internal medicines (3). By T. Kerfoot & Co., Ltd., Bardsley Vale Mills, Lincs. 535,275. (Associated.)
- "VENO'S LIGHTNING COUGH CURE" on label design ("Lightning" disclaimed); for cough medicines (3). By Veno Drug Co., Ltd., Chester Road, Manchester, S.W. 536,163. (Associated.)
- "HALIMALT"; for malt preparations (3). By British Colloids, Ltd., Crookes Laboratories, Gorst Road, Park Royal, London, N.10. 536,495.
- "TUSSIPECT"; for preparations for coughs, etc. (3). By Beiersdorf, Ltd., Bessemer Road, Welwyn Garden City, Herts. 536,878.
- "NERVOIDS"; for medicines for nerves, etc. (3). By Kuro, Ltd., Carr Pit Road, Mold Green, Huddersfield. 537,285.
- "TONORM"; for all goods (3). By Schering-Kahlbaum A.G., Mullerstrasse 170-171, Berlin, N.39. 537,600.
- "WELDEE"; for preservatives for food (42). By W. Douglas & Sons, Ltd., Brewhouse Lane, Putney, S.W.15. 536,646.
- "RAYWIS"; for perfumery, etc. (48). By The Impex Co., 60 Chiswell Street, London, E.C.1. 535,212.

A Nursing Home Pharmacy

THE dispensing department of The London Clinic and Nursing Home, 20 Devonshire Place, London, W.1, is a combination of a hospital pharmacy and a high-class dispensing business. The pharmacist in charge is Mr. T. G. Rees, in whose company a C. & D. representative recently spent an interesting afternoon. In addition to a modern pharmacy the Home is equipped with pathological and radiological departments, and adequate provision is made for sterilisation.

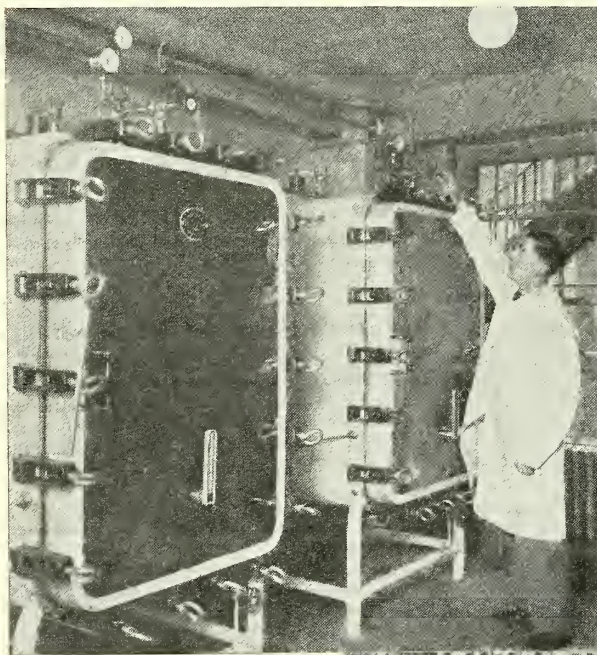
The building occupies a central and convenient position, the main frontage extending from Harley Street along Marylebone Road to Devonshire Place where the entrance for patients and visitors is situated. Clear definition is to be found in the general plan; the basement is used for staff and storage purposes and the ground floor for the kitchens. There are six floors for general surgical and medical cases and a seventh (provided with two specially-equipped theatres) is devoted to maternity cases. The operating theatres, of which there are seven, are on the top floor; two of these are used for nose and throat and dental cases. A sterilising room adjoins each theatre and in one of these our photograph of a glove steriliser was taken. The surgeons'

rooms and anaesthetising rooms open off the main corridor. The theatres are illuminated by means of shadowless lamps and the greatest precautions have been taken against lighting failure. Two hundred patients can be accommodated but the building contains 1,000 rooms, giving some idea of the extent and variety of the service available. The equipment is obviously the best obtainable and enables the public to receive, at reasonable cost, not only the amenities of a high-class nursing home but the same advantages in treatment as are available at the best general hospitals.

The dispensary is accommodated in a spacious room in the basement and is fitted in the style to be found in a modern high-class dispensing establishment. The Home has its own pharmacopœia which has been compiled from the "pet" prescriptions of a large number of consultants; it is, in fact, a mixture of many pharmacopœias. The dispensary staff makes and supplies the Home's requirements of salines, gum salines, intravenous solutions and so on, and is responsible for surgical instruments, gloves, catheters and other necessities. Oxygen is sent to the patients' rooms on a stand specially designed for quick transport and ease of operation. Each patient, on entering the Home, is supplied with a book wherein is entered the doctor's prescriptions. This book is brought to the dispensary when required and returned with the prescribed medication. Prescriptions are entered for reference on a card index.

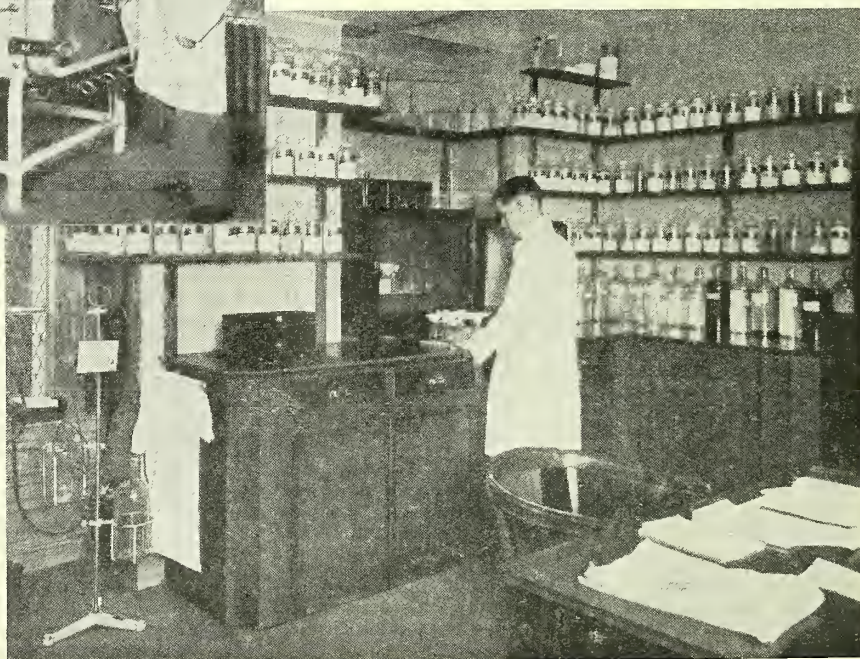
The two large Schaefer (Berne) autoclaves shown in our illustration are housed in a nearby room. Dressings come down in drums (one for each patient) from the various floors and are placed in the autoclaves. After sterilisation the drums are returned sealed by means of strips of paper which break when the drums are opened. The autoclaves are checked by means of a "tell-tale" before dressings are sent out. A pressure of 35 lb. per square inch is used; a 20-in. vacuum is obtained in about ten minutes. Great care is taken by the operator in sealing the drums; his overall, gloves and cap are sterilised on each occasion.

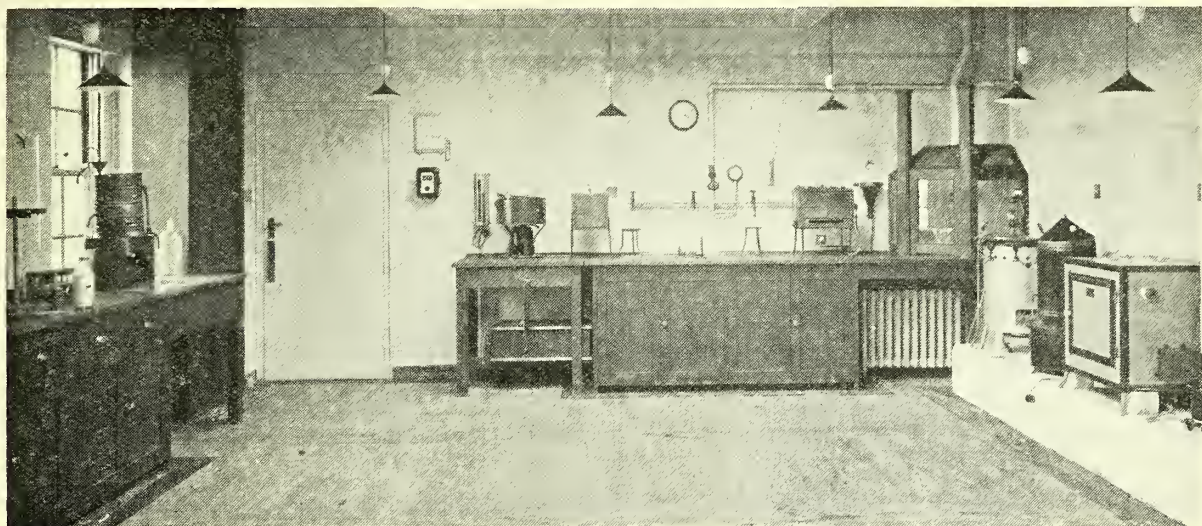
A good idea of the equipment of the pathological laboratory can be obtained from our illustration. This department is controlled by a pathologist and is con-



Above :
**THE TWO
SCHAERER
AUTOCLAVES**

Right :
**A CORNER OF
THE SPACIOUS
DISPENSARY**



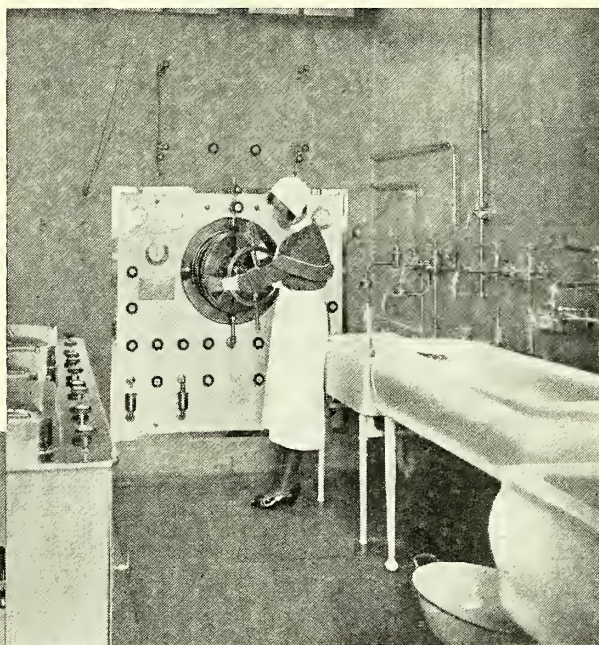


Above : THE PATHOLOGICAL LABORATORY

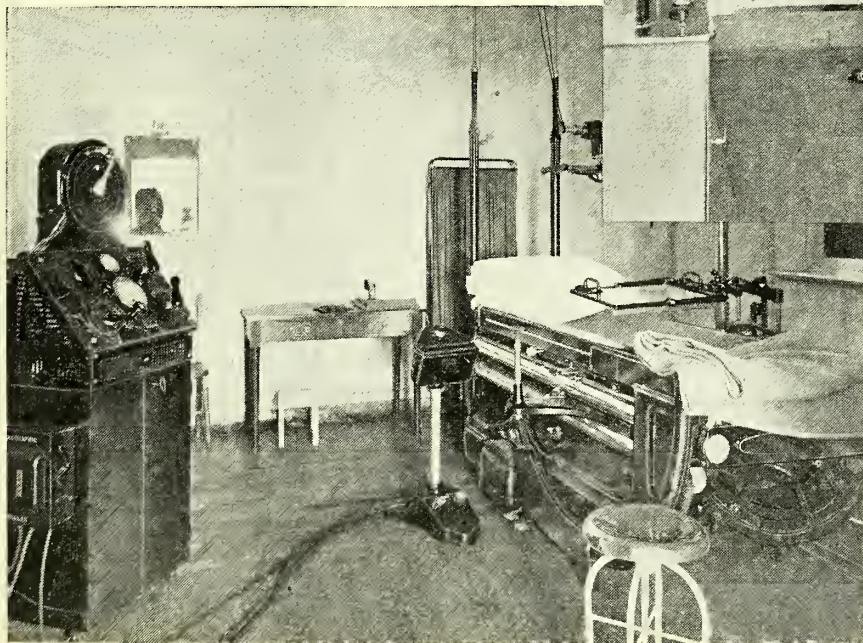
cerned with the making of autogenous vaccines, urine testing, blood counts, blood urea estimations, examination of pus and similar examinations. The laboratory is situated on the top floor and has the advantage of exceptionally good lighting from the glass roof.

The radiological department comprises four x -ray rooms and one mobile x -ray set. There are also two well-equipped dark rooms and the usual dressing rooms. Developing is done by time and temperature. The equipment is capable of dealing with 400 films per day and includes a large high-speed drying cupboard. The department guarantees to deliver any film on the day it is taken. The demonstration room is equipped with a stereoscopic apparatus for which two films are taken 4.5 cm. apart. The result is a greatly enhanced value of the negative. Urological and dental x -ray work are conducted in rooms specially adapted for the purpose.

In conclusion it may be stated that The London Clinic and Nursing Home, during the year it has been open, has set a new standard in nursing home accommodation and treatment and will continue to give at a reasonable cost all the curative resources of a great hospital to patients who require the advantages and comforts of a nursing home.



*Above :
A GLOVE
STERILISER IN
A STERILISING
ROOM*



*Left :
A VIEW OF
ONE OF THE
 X -RAY
DEPARTMENTS*

Winter Photographic Displays

THE chemist who refuses to devote any portion of his window space to the needs of the amateur photographer during the winter months, because he considers that the demand is too small to justify such a display, may sacrifice a substantial amount of business. It cannot be argued that the most effective photographic display will "pull" as strongly during

cutting round the edges. This cut-out should be shown standing in a "snow-covered landscape," which can be introduced by spreading cotton-wool in the bed of the window and sprinkling it with glass powder, or as suggested in the *C. & D.*, January 14, p. 48. Tufts of cotton-wool should be gummed inside the plate glass to suggest snowflakes. A plain sheet of blue crepe paper will be a suitable background; and film cartons, with a number of specimens of snow photography, both of which should be in readiness, should be placed on either side. A bold banner or card, reading "Now's Your Chance. . . . Get Some Snow Pictures To-day. . . . Buy Your Films Here, Now!" should also be written and kept ready for prompt use. It will be seen that a simple display like this can be placed in the window very quickly, provided that the materials are available.



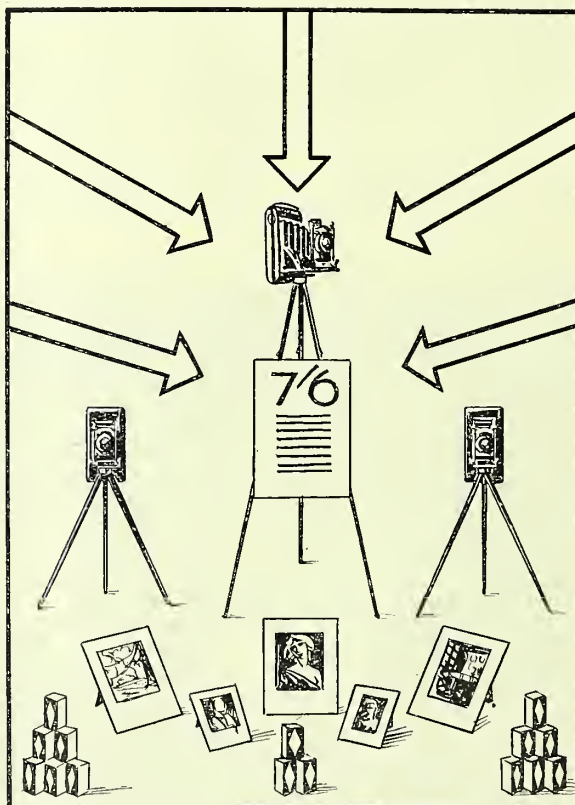
February as in summer, but even during the duller days there is a certain dormant interest among many camera-owners, and a well-thought-out display can stimulate this type of amateur photographer to action. Mere displays of cameras and films, with specimens of seaside scenes and summer landscapes, are not likely to achieve noteworthy results. If the chemist will link up his display with the prevailing conditions, however, and suggest some of the attractive forms of winter camera work, the effort will frequently create immediate business in materials and service. One suggestion that is well worth consideration just now is that of a "snow display." It is well known that even a slight fall of snow is a first-class stimulant to photographic activity; at least one such visitation is to be expected in practically all parts of England before the worst of the weather is over, and the chemist who has a "snow tie-up" in his window while snow is actually lying on the ground should score a distinct success.

Planning Ahead

Weather changes in this country are so sudden that such a topical link-up is not easily achieved, but it can be done if the display is prepared in advance, so that it can be staged in about half-an-hour when the appropriate time occurs. A simple but attractive setting should be chosen; for example, the centre-piece could be a cardboard cut-out of a pretty girl holding a camera; this can easily be made by obtaining an enlargement of a suitable subject, mounting it on stout card, and

Indoor Subjects

A type of winter photography window which can be staged at any time during the next month or so, and which should also create worth-while sales, is that dealing with the possibilities of camera work indoors, such as simple flashlight subjects. Here, again, merely to display a quantity of flashpowder and apparatus is almost valueless; the display should "tell a story" and arouse the interest of the ordinary amateur as a preliminary to inducing him to buy. A flashlight display that is likely to get results would include, as the centre-piece, a group of simple but effective specimens of flashlight work. The subjects should preferably be of the character that will appeal to the "man-in-the-street"—figure studies in homely surroundings—not high-brow.



Above these should be a card or banner reading, "You Can Make Pictures Like This . . . To-night . . . At Home," and a ribbon should run from this card to the specimens. In the foreground of the display arrange a small group comprising a camera, a tin of flashpowder,

and a gun, with a neat card giving very brief instructions. The last-named will read somewhat as follows:—

TAKING FLASHLIGHT PICTURES AT HOME

It's so simple. . . .

- (1) The quantity of powder to use, and the way to operate the flash gun, are fully explained in the free folder.
- (2) You can take portraits, groups, and figure studies like those displayed, and can carry out an endless succession of your own ideas.
- (3) We will carefully develop and print your films, ensuring the best results.

TRY IT TO-NIGHT. . . . EVERYONE WILL ENJOY IT!

Winter work out-of-doors, although not perhaps of such wide appeal to the average amateur, could nevertheless be made the subject of an attractive display. Here, also, the tell-a-story, or educational, touch should be used, for it is necessary to create interest in the possibilities of dull weather camera work before attempting to sell either developing and printing service, films, or a better camera. An effective display of this nature could

be arranged by placing a light and inexpensive metal tripod in the middle of the window, and having a number of cut-out cardboard arrows pointing to it from each corner, so that the eye is immediately attracted to the centre-piece. Affixed to the tripod should be a card giving the price, with the following wording: "With your present camera and a tripod you can make scores of charming winter pictures like those displayed in this window. Get a tripod, and use your camera all the year round." In the foreground would be shown some really attractive specimens of winter landscapes—not necessarily "exhibition studies," which sometimes strike the ordinary amateur as dull and lacking in interest, but bright, sparkling prints of the kind that every "average" camera-user is proud to have in his album. Even if displays of the kind described do not yield the proportion of immediate business that the chemist would like, they should still be worth the small amount of time and trouble necessary to arrange them, for they will prove an excellent means of maintaining contact with photographers in anticipation of the coming season. The chemist who treats photography as solely a summer sideline cannot maintain the same goodwill as those who make an effort to hold a proportion of their customers throughout the year.

Liverpool Chemists' Association

Abstract of the presidential address by Mr. H. Humphreys Jones, F.I.C., Ph.C., F.C.S., delivered on January 25, at the annual meeting of the Liverpool Chemists' Association

IN the first place it is my duty to express to you my thanks for this renewal of your confidence. Believe me, I consider it a great honour to be elected for the fifth time into the chair of this, one of the oldest chemists' associations in this country. It is now in its eighty-fourth year. During my thirty years' association with this body I have come into contact with many pharmacists. This association has contributed its share in making life interesting. It has opened the door for service, and to that extent has been the means of bringing joy and happiness. We had stalwarts in days gone by. They laboured for the good of the cause day in and day out. They were men of strong character and full of enthusiasm, who served their day and generation well. I would pay my tribute to my predecessors for the inspiration that comes in the recollection of their efforts and deeds on behalf of the craft. To those who are still with us I would acknowledge the value of the sympathy that has cheered and the example that has given strength.

The New Pharmacopœia

My remarks will be hinged on the Pharmacopœia as the central theme. The introduction of a new Pharmacopœia is an event of the utmost importance in the life of the community in general and of the pharmaceutical community in particular. We may justly take pride that it has been a link between us and the Colonies long before we heard of Colonial preference, and that we had a League of Nations in the world of pharmacy before the League of Nations was ever thought of. It was the ravages of the sword and fear that were the chief incentives in the birth of the League of Nations, whereas it was the desire to eradicate disease and for greater efficiency in the alleviation of pain that gave birth to the idea of the International Agreement.

It was my privilege to be in this chair when the 1914 Pharmacopœia was introduced. It is a strange coincidence, and only rarely is it likely to happen in the life of the same individual. The world has progressed far—in certain directions—since 1914. During any fifteen or twenty years, such as between 1867 and 1885, 1885 and 1898, 1898 and 1914, great strides are made in science and in every department of life; but from 1914 onwards the rate of progress gathered speed considerably. The trials and tribulations of many nations during the

1914-18 period were the prime cause for many discoveries in many realms, not least in the realm of science. The various nations, in the search for ways and means of protecting themselves and of destroying their enemies, and of healing friends and enemies during the great war, came across many things that have been of immense value in the prevention of disease and in the healing art in times of peace. In view of what has been said it is no wonder that the present B.P. is a great work, and many things in it can be cited in support of my statement that pharmaceutical science, among others, received an extra impetus during the last two decades owing to world conditions. It is head and shoulders above all that has gone before.

Looking back upon one's experience during apprenticeship days with the '85 B.P., one recalls some of the crudities of the processes resulting in great waste and variability of products. Then in the '98 B.P., which was studied more closely, the processes were improved, resulting in economies and greater efficiency from the remedial point of view. Alkaloidal estimations came into use. Again, in this edition there were weaknesses and flaws that were rectified in the B.P., 1914. In the latter the principle of standardisation was extended. In the new B.P. old methods have been improved and many new ones added. A number of drugs, e.g., colchicum, are now being standardised for the first time. We have now official biological standards for drugs that do not lend themselves to chemical standardisation; and it may be that even if chemical methods could be carried out, biological methods are of greater value.

A Great Creation

Yes, the new B.P. is a great creation; it is a great monument to its builders. Pharmacists in great number, living and dead, have had a hand in its production. It is a work of symmetry and a work of art. We have all consciously or unconsciously been responsible for the assembling of the parts—we have acted as hewers of wood and drawers of water. All the chemical compounds representing the stones and the vegetable drugs representing the timber have been examined and re-examined, carved and re-carved by experts. The parts have been put together under the inspiration of a King Solomon, who in this case is Dr. Hampshire. In spite of its excellence there are faults, but for a work of its

magnitude it is singularly free from flaws. I feel sure that the compilers can use the same language as was used in the preface to the London Pharmacopœia, 1824, to this effect: "With respect to ourselves we have spared no pains to render the present edition as perfect as possible. Not that we dare to imagine that it will satisfy every inquirer, or that it is free from errors; but before anyone proceeds to criticise these with severity, we entreat him to reflect upon the diversity and difficulty which a work of this kind involves, and we trust he will not then be offended with a few faults which may occur."

It has been said that the 1932 B.P. is a wholesalers' Pharmacopœia. We need not go far to find that there is some truth in the assertion. In scanning the pages of successive Pharmacopœias the evolution of this tendency is not difficult to discern. World conditions have certainly helped considerably in this direction. Those who have been accustomed to prepare galenicals and other preparations do not find much encouragement to carry on the good work; on the contrary, little details have been omitted which may decide upon discontinuance of the practice. In the case of tinctures, in former Pharmacopœia definite instructions were given concerning the amount of solvent that should be used for the moistening of the powdered drug in the preliminary stage of the percolation process. In the present B.P. we are told to moisten the solid materials with sufficient quantity of menstruum. As you all know, failure to use the right amount may be responsible for failure of the process. Of course, the pharmacist or his apprentice can experiment and find out for himself, but would it not have been easy to have given an indication, as in former Pharmacopœias? At this rate the next B.P. will not give any directions at all. Evidently no one is now expected to prepare sweet spirit of nitre. Pharmacists will tend to lose interest in this part of the work, and they will be more and more dependent upon the wholesaler. Speaking relatively, the pharmacist of to-day is not the craftsman that he was long ago. With increased knowledge and with development of technique the primitive methods of days gone by are obsolete. Specialisation has gone on to such an extent—the machine age has transformed everything so—that the pharmacist of to-day, in spite of long training at a considerable cost of time and money, has become more of a distributor. This lessens the interest. Things prepared by hand have their charm over the machine-made article. It is ironical that the more highly qualified he becomes as a pharmacist, the fewer the opportunities to discharge an important part of his work.

Notes of a Century Ago

I have by me a copy of the 1826 Dublin Pharmacopœia. The marginal notes, written in pencil, are illuminating, interesting and informative, and give us an insight into the mental calibre and the attitude towards life of the old apothecary. It is evident that he lived, moved and had his being in his work. Considering that chemistry was then in its infancy—Dalton's theory was only just being understood—these notes show an unerring instinct and uncanny insight into the then unrevealed mysteries of the science. Had these notes been found written separately one would have dated them thirty years later. This gentleman was evidently an expert in the preparation of waters, infusions, decoctions and liquores, but strange to say, leaves the tinctures and syrups severely alone. He was more of a chemist than a pharmacist. Just one or two examples of these notes:—

Acid Infusion of Roses.—The addition of sugar to this infusion renders it more liable to decomposition than otherwise would be the case. Incompatibles—Zinc sulphate, iron sulphate, chlorine water.

Infusion of Senna.—The bitter taste is scarcely covered by the ginger. It spoils in forty-eight hours and by simple exposure to air it absorbs oxygen which occasions a precipitate which is not a purgative but gripes violently.

Infusion of Digitalis.—Diuretic, sedative and stimulant. In this infusion, which is clear and of a brownish-yellow colour, sulphate and acetate of iron, and acetate of lead and yellow cinchona bark are incompatible. The presence of spirit of cinnamon makes it sit lighter on the stomach.

Lime Water.—The direction to use boiling water is superfluous, as cold water acts more powerfully on lime.

Liquor Plumbi Sub-Acetatis Compositus.—This preparation is superfluous. Every surgeon is in the habit of ordering lotions with different proportions of solution of acetate of lead according to the circumstances of the case.

Ferrum Tartaratum.—In this process the iron is first oxidised by the decomposition of part of the water. The superabundant acid of the super-tartrate of potash dissolves as much of the oxide as it can take up, and a clear solution is obtained which by evaporation yields a true tartrate of potash and iron.

He has figures for the total solids in some preparations. It is quite clear that this man was keenly interested in pharmacy as an art.

Technocracy

The present state of the world economically has forced another aspect of this subject to the forefront, namely, technocracy. This is a strange word, but it is of the utmost importance to millions of people. A number of scientists have been studying the industrial situation in order to find out how to overcome the tyranny of the machine. At a recent meeting in the United States it was stated that more progress had taken place during the last 150 years than during the previous 7,000 years, and greater progress during the last ten years than during the previous ninety, and more during the last three than during the previous ten. Even if commerce and industry could be put back to the peak years of prosperity, about half of the workers would be unemployed. Until recently one man could only make 450 bricks per day. Now in charge of a machine 40,000 bricks per hour can be made. In the steel industry one hour's work is equal to 650 hours' fifty years ago. In Kansas, the greatest wheat-producing area, the harvester thresher can do as much work as scores of men; 800 tons of sand can be emptied from a ship's hold in one hour; 2,000 men with spades would be required to do the job in the same time. Whether these scientists can find out a way of escape is a question; but they make it clear that the economic system as it is cannot continue, as it is possible to produce sufficient for the needs of the populace and a quantity over and above for other countries with a four-hour day and a four-day week. About 32,000,000 people are idle, and although millions of pounds are spent in helping these unfortunate people, the machine hurls to idleness many more. The evil is further emphasised by the merging of firms and companies that still further reduce the number of employed. If the solution of the problem lies in this direction, the problem of the future will be how to make use of leisure.

We are told that since the making of galenicals, etc., has passed out of our hands, and as justification for dropping definite formulas for eye ointments, suppositories, etc., the medical man is encouraged to think hard before he prescribes, and the pharmacist will find a way of self-expression in extemporaneous work. It is admitted that National Insurance dispensing has had a wholesome influence on pharmacy, but have not medical men been encouraged to order *mistura so-and-so*, and *pill so-and-so*? The medical student during his course is probably well trained in the art of prescribing; but when he comes out into real life he is confronted with a mass of recognised formulas, and finds it very convenient to drop his particular and concentrated thinking for the more general and diluted form. If he does not, I can imagine he may become a nuisance to the pharmacist, and the system may break down. Can we really expect these men to carry out the principle which we are told is behind the vagueness of B.P. galenical pharmacy? In this city a few months ago I attended a medical exhibition. On many of the stalls were stocks of pills, tablets, capsules, lozenges, concentrated mixtures, etc. It was almost amusing to see the gentleman in charge holding a preparation in the hand and dilating upon its virtue. It reminded me of the old days on the Market Square. I am not blaming our wholesale friends—it is business; but I do contend that the dropping out of the B.P. recognised formulas will tend to encourage this state of things.

The British Pharmacopœia, 1932

Notes of an address delivered at Hanley, on January 17, by Mr. J. H. Franklin, Ph.C.,
Chairman of the British Pharmaceutical Conference, 1931

IN the British Pharmacopœia, 1914, there was a considerable number of drugs having almost identical properties, belonging to well-defined groups. In the 1932 edition a small number of the most valuable of each group has been included and the rest deleted. I have come across chemists and doctors who have been very disturbed by the deletion of remedies which have been largely used and with considerable success, and one general practitioner with a really sound knowledge of everyday medicine asked if there was a general practitioner on the Pharmacopœia Commission. I had to answer in the negative, whereupon he replied, "There ought to be," and I agree with him. I may be wrong in this, but it appears strange that the men who prescribe the great bulk of everyday physic have little voice in what shall remain in the Pharmacopœia or what shall be added. But all the deleted articles can be prescribed as freely as ever; further, arrangements have been made to include all the omissions from the 1932 B.P. in the next edition of the British Pharmaceutical Codex.

Additions

There are 128 new preparations in the B.P. The most important are therapeutic substances which can only be tested biologically and are mostly controlled by the Therapeutic Substances Act. These include insulin, pituitary extract, antitoxins, serums, toxins, vaccines, the organic arsenical compounds, digitalis and strophanthus, and their preparations. Some of the newer substances introduced may be shown in groups:—

HYPNOTICS.—Barbitonum Solubile, Carbromalum, Phenobarbitonum, and Phenobarbitonum Solubile.

LOCAL ANÆSTHETICS.—Amylocainæ Hydrochloridum, Benzocaina, Orthocaina, Procainæ Hydrochloridum.

ANTISEPTICS.—Acriflavina, Chloraniina, Hydrargyri Oxy-cyanidum.

DIURETICS.—Caffeina et Sodii Benzoas, Theophyllina et Sodii Acetas.

ANTHELMINTICS.—Carbonei Tetrachloridum, Oleum Chenopodii.

DIAGNOSTIC AGENTS.—Barii Sulphas, Fluoresceinum Solubile, Indicaninum, Iodophthaleinum, Lævulosum, Methylthionina Chloridum, Urea.

ANÆSTHETICS.—Ether Anæstheticus, and the gases Æthylenum, Carbonei Dioxidum, Nitrogenii Monoxidum, Oxygenium.

The Trend of Prescribing

The abolition from the B.P. of so many drugs, chemicals and preparations, and the extension of standards in the direction of greater purity of medicinal substances, appear to indicate that one aim of advanced modern therapeutics is to use pure single drugs administered in the dry state or in solution. Further, many more articles of great value as curative agents have been introduced into the publication, such as antitoxins, vaccines, organic arsenicals, which are not used in treating symptoms with which we chemists are most familiar, but aim at treating the cause. Of course, the treatment of disease by symptomatic treatment will always be with us; but as the aim of advanced medicine is to treat the cause, and as this is reflected in the new B.P., it is important that we should recognise it, because pharmacy must be affected if, as we expect, further advances are made in the prevention of disease, the treatment of the cause and prevention of its return. The use of pure chemical substances which can be made up into solutions of definite strength, which if made with care do not require analytical control, leads us to the preparation of sterile solutions for hypodermic use. Here is a field of work that the pharmacist should concentrate upon. Hypodermic medication has a marked future, and the pharmacist who equips himself to do this work will have a distinct advantage over his neighbours.

Notes on Monographs

The following is a further selection of notes on some of the principal monographs. (For the previous series, see *C. & D.*, November 19, 1932, p. 621):—

COLCHICUM.—The corm, seed and the preparations are all standardised.

Dried corm contains not less than 0.25 per cent. of colchicine
Dried seed contains not less than 0.3 per cent. of colchicine
Dry extract contains 1.0 per cent. of colchicine
Liquid extract contains 0.3 per cent. of colchicine
Tincture contains 0.03 per cent. of colchicine

LIQUOR ARSENICALIS.—The International Agreement requires a one-per-cent. neutral solution of arsenic, and we have a new formula which is water-white and neutral in reaction. This is a great change from the old solution with its pink colour and lavender flavour. However, it was quite a good idea to replace both Fowler's solution and the hydrochloric acid solution with one preparation, and the neutral reaction of the new solution removes the objection frequently heard of the incompatibility of the old alkaline solution with solutions of alkaloids. Unfortunately the new solution quickly develops fungoid growths, and it is hoped that the Pharmacopœia Commission will quickly add a preservative. It would give satisfaction, I believe, if 4 per cent. of compound tincture of lavender was added to the formula so as to restore it to the old colour. It is almost a general practice on the Continent to use spirit of lavender for this purpose, and the B.P. liquor arsenicalis could still be a neutral solution with all its advantages if it was preserved with compound tincture of lavender or some other preservative. One can constantly hear of this solution going mouldy, and it is imperative to preserve it to remove the nuisance from pharmacists. It is the *bête noire* of the British Pharmacopœia, 1932.

THYROIDEUM.—The dried powdered gland. It has the synonyms thyroideum siccum, dry thyroid, thyroid extract, and thyroid gland; and any use of these synonyms will require the desiccated substance in prescriptions. There is no reference to fresh gland, and under the new method of standardising there is no fresh gland equivalent. The maximum dose of the dried substance has been increased from 4 to 5 gr. It is necessary for the pharmacist to assist and advise medical men to prescribe in terms of dry gland, although the present position upsets old ideas of prescribing thyroid. Still, the dried gland has been official for nineteen years; we never handle the fresh gland, and therefore it appears that we should all think in terms of the official substance. In dealing with prescriptions it is important to be certain that we know the prescriber's intention at the present time of transition, so that there shall not be overdosing.

TINCTURA IPECACUANHÆ.—There has been a lot of talk and writing about this preparation; but everything would have been right, in my opinion, if "ipecacuanha wine" had been made a synonym for the tincture. In that case I believe the change would have gone through with little comment, just as many other changes have passed almost without comment. The use of wine as a vehicle for medicine was bound to become less as time went on, and I do not feel much enthusiasm either for sending to Spain for Spanish sherry, or spoiling a good wine with nasty liquid extract of ipecacuanha when I receive the wine. I would rather make it with glycerin and alcohol. Further, the old ipecacuanha wine was never a perfect galenical, because being a wine it was always inclined to deposit, whereas the new tincture is a better preparation which will keep well without deposit. I am therefore all for the new tincture—first because it is made from materials manufactured at home; secondly, because it is better; and finally, because it costs less to make; and now the only thing to be done is for the Pharmacopœia Commission to give us the synonym.

Trade Notes

QUEEN ANNE lavender face powder is a new line introduced by Marlborough & Co., Ltd., 491 Liverpool Road, London, N.7.

DECKER's camomile golden hair wash is advertised in this issue by Osborne, Garrett & Co., Ltd., 51 Frith Street, Soho, London, W.1.

ROCHE's EMBROCATION.—A. J. White, Ltd., 64 Hatten Garden, London, E.C.1, are now the sole distributing agents of Roche's embrocation.

BEMAX is being offered on bonus terms, particulars of which are given elsewhere in this issue by Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1.

GARNER & JONES, LTD., Polebrook House, Golden Square, London, W.1, have been appointed wholesale distributors for the Etui and Pilot cameras of Thorsch & Co., Ltd.

BRITISH-MADE phenacetin, manufactured at Ruabon, North Wales, is being offered by Monsanto Chemical Works, Ltd., Victoria Station House, Victoria Street, London, S.W.1.

ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2, have drawn our attention to their Allenburys baby



scales, which are well suited to the needs of chemists, doctors, hospitals, and clinics. It is accurately constructed on the beam and sliding weight principle to weigh up to 30 lb. by $\frac{1}{2}$ oz. increments. The machine stands on four sturdy legs; the height is 32 in.; the basket is of ample size, and the whole is attractively finished in blue and white. Allenburys baby scale is a good class British-made machine which will give excellent service.

IODISED SACHETS.—Sangers, Ltd., 42A Hampstead Road, London, N.W.1, are making a new iodised sachet for the prevention of infection. This is in the nature of a small silk sachet for hanging round the neck under the clothes.

TRUFOOD, LTD., Union House, St. Martins-le-Grand, London, E.C.1, have been appointed the sole distributors of the vitamin concentrates made by Lever Brothers, Ltd., Port Sunlight, i.e., Essogen, Advita, vitamin concentrates of various potencies in bulk.

BRITISH INDUSTRIES FAIR.—Stand A15 at the London section of the British Industries Fair will be a rendezvous for visitors interested in the chemical, drug and perfumery trades, while C. & D. representatives will be in constant attendance to assist in solving any problems that may arise. We would take this opportunity of drawing the attention of exhibitors to the special supplement in colour which the Publisher is arranging in the C. & D., February 18, in order to assist in focussing attention on particular products and stands. Details regarding this supplement will be sent on application.

A NEW TOOTH PASTE.—Coates & Cooper, Ltd., 94 Clerkenwell Road, London, E.C.1, have been appointed distributors of Ivago, which is described as a blue immunising dental cream. This tooth paste contains a vaccine which has been successfully used in the treatment of pyorrhea, while the blue colour possesses, apart from the ordinary cleansing properties of the cream, the property of whitening, on the same principle as linen and sugar are so treated. A specimen packing will be sent to any chemist on request.

IODISED DIFFUSERS.—Considerable interest has been aroused throughout the country by recent announcements to the effect that wearers of "iodised lockets" have enjoyed a comparative immunity from the prevailing infection. Our illustration herewith (actual size) shows one of these lockets made by James Pearson, Ltd., Oldfield Pottery, Brampton, Chesterfield. Writing with regard to the lockets, Messrs. Pearson state: "We make several different types of diffusers. First there is the locket; this has a stoneware receptacle made in the shape of a locket with the surface glazed except on certain parts which are left free so that the iodine can escape. These special surface areas are arranged in the form of floral petals. Solid iodine is placed inside and the locket is hermetically sealed. These lockets are usually worn next to the skin or immediately over the undergarment. The iodine, of course, slightly stains the skin and clothing, and to avoid this to some extent it is recommended that the locket be put into a bag made of silk in open crochet work. For those who object to wearing anything underneath, with the attendant stain, we make iodised buttons and brooches. . . . Where the larger quantity of iodine should be liberated Dr. Goodfellow has provided two types of diffusers. First the 'candle' type . . . which has been designed for offices, warehouses and bedrooms. The next type is in the form of a 'mushroom.' It is filled with iodine and secured into a plaque made of stoneware. This can be fastened to a wall or hung from a picture-rail. . . . It is impossible to stock these articles in large quantities because they continue to give off iodine even when not in use, and so depreciate. . . . The lockets should last from three to six months. . . . The mushroom and candle should last from six to nine months."



INEXPENSIVE RAZOR BLADES.—Selecta Manufacturing Co., Ltd., 29 Bartholomew Close, London, E.C.1, are offering under the name of Selexa British-made razor blades (three-hole pattern) which they state are of super quality. The blades are wrapped in cellophane and retail in packets of twelve. The attractive show stand illustrated is supplied free on certain orders.



PHYLLOSAN TABLETS, whether ordered through the usual wholesale channels or direct from Fassett & Johnson, Ltd., 86 Clerkenwell Road, London, E.C.1, is the subject of a bonus offer until February 25.

Business Changes

MR. H. J. PLASKETT, chemist and druggist, has opened a business at 70 Woodgate, Leicester.

IVA MANUFACTURING Co., manufacturers of Iva fur puffs, have removed to Iva House, 79 Golden Lane, London, E.C.1.

MAWSON & PROCTOR, LTD., chemists, Newcastle-upon-Tyne, have acquired the pharmacy of the late Mr. Thomas Hardy, chemist and druggist, 42 Fenham Hall Drive.

"C. & D." Retail Price List

THE drug index for January is slightly lower owing to changes in prices of bismuth and iodides; the figure is 149.5 against 150.0 in December and of 131.6 at the same time last year. The surgical dressings index is unchanged, being 136.5. The changes in selling and dispensing prices are comparatively few. Those showing an appreciable difference are set out below:—

Cost			Selling Price			
			16 oz.	4 oz.	1 oz.	1 dr.
d.	per		s. d.	s. d.	s. d.	s. d.
26	oz.	Amidopyrina	—	—	3 9	0 7
30	lb.	Lobelia pkts.	—	1 2	0 4	—
28	lb.	Lobelia pulvis	—	1 0	0 4	—
108	gal.	Ol. terebinthinæ	pint	1 9	0 3	—
17	oz.	Phenazonum	—	—	2 6	0 5
60	oz.	Phenobarbital	—	—	—	1 3
60	oz.	Phenobarbital, sodium	—	—	—	1 3
21	lb.	Phenol. liquefact.	—	0 9	0 3	—
216	lb.	Potassii iodidum	—	7 9	2 4	0 4
48	lb.	Tr. nucis vomicæ	—	1 9	0 6	0 1
32	lb.	Ung. hyd. nitratis	—	1 2	0 4	—

The price of roll films in certain sizes of the standard makes has been advanced. The No. 20 size is now 1s. 2d. as against 1s., and the 16 size 1s. 5d., as against 1s. 3d.

Births

Notices for insertion in this column must be properly authenticated.

WILSON.—At 3 Ipswich Street, Stowmarket, on January 27, Netta, widow of the late Francis Maurice Wilson, chemist and druggist, of a son.

Deaths

CHRISTY.—At "Castleton," Carshalton Road, Sutton, Surrey, on January 30, after a long illness, Mr. Gilbert Christy (Thomas Christy & Co., 4-12 Old Swan Lane, London, E.C.4), aged sixty-one. The business of Messrs. Thomas Christy & Co., will be continued by the surviving partner, Mr. B. Richardson.

COPE.—At Derby, on January 26, suddenly, Mr. John Ambrose Cope, Ph.C. (Cope & Taylor, chemists, 3 Market Place), aged eighty. Mr. Cope was taken ill in a tram-car, and died before reaching the Royal Infirmary. He carried on business in Derby for a long period.

HUTCHIN.—At his residence, 43 High Street, Burnham-on-Sea, on January 28, Francis William Hutchin, chemist and druggist, aged seventy-six. Mr. Hutchin was apprenticed in 1871 to Mr. Samuel Cox, Week Street, Maidstone. After studying with Messrs. Luff & Woodland, Mr. Hutchin qualified in 1879, and was assistant for some years with Corbyn, Stacey & Co. at their New Bond Street branch. In 1883 he purchased the business of Mr. Robert Burch, High Street, Saffron Walden, where he remained for ten years. After a short stay at Ashby-de-la-Zouch, he went in 1898 to Burnham-on-Sea. In 1915 he was joined by his son, Mr. Ronald Hutchin, and the business was carried on under the name of Hutchin & Son. Mr. Hutchin was treasurer of the Somerset Pharmaceutical Committee and of the Somerset Branch of the National Pharmaceutical Union, and to the end was deeply interested in the well-being of the craft. Apart from pharmacy he was chiefly concerned with the Adult School movement and with the affairs of the Union Church at Burnham, of which he was a life elder.

KNOLL.—Recently, Geheimrat Hans Knoll, aged eighty-one. Geheimrat Knoll, together with his brother, Dr. Albert Knoll and his brother-in-law,

founded, in 1886, the well-known business of Knoll A.-G., manufacturing chemists, Ludwigshafen, Germany. He was actively engaged in the company's business until the time of his death.

LUXTON.—At Exeter, on January 26, Mr. Frederick Luxton, 22 Oxford Road, aged eighty-two. Mr. Luxton was the genial and highly appreciated representative of James Townsend & Sons, label printers, Exeter, in Wales and the Western district. He retired some years since through impaired health.

RICHARDSON.—At Withernsea, on January 24, suddenly, Mr. Horace Seymour Richardson, chemist and druggist (Richardson & Son, chemists, Hesse Road, Hull), aged thirty-seven. Mr. Richardson served his apprenticeship to Mr. E. H. Earle, chemist and druggist, King Edward Street, Hull, and after a course of study with the late Mr. William Duncan, Ph.C., Edinburgh, qualified in 1919. He then entered into partnership with his father, Mr. Arthur Richardson, chemist and druggist, as proprietor of two businesses in Hesse Road, Hull. Mr. Richardson was elected president of the Hull Chemists' Association and Branch of the Pharmaceutical Society in 1926. In his leisure he took up tennis and motoring.



MR. H. S. RICHARDSON

SANT.—On January 25, Mr. Sant, sales manager to the Coronet Camera Co., 310 Summer Lane, Birmingham.

Personalities

MR. S. LAMPLOUGH SCOTT, chemist and druggist, who has recently returned home from New York, U.S.A., is at present residing at 5 Oak Mount Mansions, Oak Mount Avenue, Southampton.

MR. ALFRED PROCTOR, chemist and druggist (A. Proctor & Son, chemists, Eastbourne), who for the past two months has been recuperating in a local nursing home, hopes to be able to resume business in one or two weeks' time.

MR. DAVID BOWLAS, of the representative staff of Meggeson & Co., Ltd., who recently underwent a successful operation in a nursing home (C. & D., December 10, p. 694), is now convalescing in his own home in Fulkner Square, Liverpool. His many friends in the drug trade will wish him speedy restoration to normal health.

MR. J. MILNER, chemist and druggist (Milner & Coke, Ltd., chemists, London, S.E.13), president of the London (South-East) Chemists' Association, was knocked down by a motor ambulance on January 18, and was detained at the Miller Hospital, Greenwich, suffering from severe injuries to arms and legs. Mr. Milner is making satisfactory progress.

MR. R. FALLS-CAMPBELL, chairman of Bradley & Bliss, Ltd., manufacturing chemists, Reading, was presented by the staff, on January 20, with a smoker's cabinet. Mr. A. W. Sherwood, manager, said that this being the seventy-seventh birthday of Mr. Campbell the members of the staff wished to acknowledge their appreciation of the kindly interest taken in their welfare. They were all pleased that Mr. Campbell continued in excellent health. Mr. Campbell, in reply, said that the continued success of the business was in a large measure due to the loyalty of each member of the staff, some of whom had been there many years.

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Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

S/281. Burrough's Arcilla	B/311. Normalogen tooth paste
D/301. Elixatavia	H/251. Perra vanishing cream
M/211. Iodised yeast tablets	S/311. Physikurate (present address)
M/311. Lanco wrist straps	B/301. Vyldy bandage
A/251. Nocturne hot-water bottle	

THE CHEMIST AND DRUGGIST

VOL. CXVIII. FEBRUARY 4, 1933 NO. 2765

The Misuse of the Word "Drug"

In the eyes of the man in the street the word "drug" is beginning to mean such things as opium, morphine, cocaine, ether, hashish, heroin and other narcotics. The League of Nations, as a result of inquiries into the control of opium smoking in the Far East, has issued a considerable bulk of literature on the subject. These reports have given opportunities for the Press to obtain many striking sentences and "scare" headlines. The present generation is becoming accustomed to the daily newspapers finding a "crisis" in the commonplace and an event which is "unique" in the ordinary. They thrive on headlines and batten on slogans. Hardly a day passes without the appearance of one or more of the adjectives "amazing," "tragic" and "dramatic" on contents bills. If the daily papers would devote their efforts to political events, which are usually "of supreme importance" and always in the superlative, it would not be so bad. Once they touch the drug trade they pander to the views of the sensation-loving person; they never refer to narcotic drugs, and very seldom to dangerous drugs (an inept expression made current by our Legislature), but always to "drugs," "drug fiends," "drug smuggling," "drug addicts" and "the drug traffic." The primary definition of the word "drug" in the Oxford English Dictionary is:—

"An original, simple, medicinal substance, organic or inorganic, whether used by itself in its natural condition or prepared by art, or as an ingredient in a medicine or medicament."

We may point out, in passing, that this definition would have been rendered clearer by the insertion of a comma after "itself." The word "drug" should not be used as a synonym for a narcotic. The impression that the two words are synonymous is gaining ground, thanks to the educative power of the Press; it is thus only a question of time for this illegitimate meaning to become one of the recognised meanings of the word "drug" in English dictionaries.

Misleading Advertisements

In the United States this confusion does not prevail to the same extent as in this country, as there the chemists' shops or pharmacies are called "drug stores." In these shops anything from ice-cream and sandwiches to drugs and chemicals is sold. Some of the proprietary-medicine manufacturers in this country are helping to mislead the public as to the true meaning of the word "drug." They say in their advertisements "No drugs are used in the preparation of this medicine," or words to this effect, when they mean that no narcotic drug is used. And if physicians, in the near future, cease to a great

extent to prescribe drugs, the word will stand an indifferent chance of surviving at all in its original meaning. It would be a good thing if chemists would take the editor of a newspaper to task whenever they see a reference to "drugs" in such a form that the word is misused and "narcotic drugs" is meant. Drugs should be protected by seeing that the lay Press takes no unfair advantage in the misnaming of one small class of these articles. Drugs, even the narcotic drugs, have their legitimate use in the world. They are handled by chemists and druggists, skilled men and women who, after training and examination, are registered as fit and proper persons to deal with them. It is important to retailers, wholesalers and manufacturers that words like "drugs" and "narcotics" should be given their correct meanings. If the lay Press realises that the drug trade is determined to differentiate between "drug" and "narcotic," it has, as a whole, sufficient regard for the English language to observe the distinction.

Corner for Students

Conducted by Leonard Dobbin, Ph.D.

Communications should be addressed "Corner for Students, 'The Chemist and Druggist,' 28 Essex Street, London, W.C.2."

QUALITATIVE ANALYSIS

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture may contain metallic and acidic radicals occurring in the British Pharmacopœia, or any of the commoner radicals not mentioned in that work, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

Students' applications for portions of the mixture of salts (accompanied by a *stamped and addressed envelope*, not a stamp merely) will be received up to Tuesday, February 7, on which day the samples will be posted. Students' reports will be received up to Saturday, February 18. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The analysis announced above forms the fourth exercise in the analytical tournament for the current winter session. The usual monthly first and second prizes in this series of analyses will be awarded only to apprentices or assistants who have not passed in Chemistry in the Preliminary Scientific examination in Great Britain, in the Licence examination in the Irish Free State, or in Chemistry, Part I, in Northern Ireland, which fact *must be attested on their reports*. They will not be awarded to former winners of tournament prizes.

TRIBUTE TO THE TRADE PRESS.—A tribute to the value of trade journals was paid by Sir Herbert Samuel, ex-Home Secretary, addressing a meeting of Lancashire journalists at Blackburn on January 25. Sir Herbert said the section of the Press which appeared to him to play a larger part in the economic and material life of the country than was fully realised was the trade journals. The very rapid changes in technical processes in industry, and the rapid extension of keen competitive methods in all the different walks of life was, he believed, very largely due to the trade and professional organs, which, in their combined total, must have an enormous circulation.

Pharmaceutical Society of Great Britain

Council Meeting

THE February meeting of the Council was held at 16 Bloomsbury Square, London, W.C.1, on February 1, Mr. F. Gladstone Hines (president) in the chair. An apology for absence on account of illness was received from Mr. Jack.

DEATH

THE PRESIDENT made appropriate reference to the death of Mr. Alfred Hagon, of Cardiff.

GREETINGS

Greetings were received from pharmaceutical organisations in South Australia, Victoria, New South Wales, and India, and also from the editor and management of the "Australian Journal of Pharmacy."

ELECTIONS AND RESTORATIONS

One hundred and twenty-one persons were elected members of the Society, and seventy-one as student-associates. A number of persons were restored to the Society, and one was restored to the Register of Chemists and Druggists. The registrar reported that 137 persons had been registered as apprentices or students.

With regard to the last-named figure, the SECRETARY pointed out that it was a slight increase on last year, when there was also an increase following a decline attributable to the raising of the standard of the Preliminary examination.

RETIRING MEMBERS OF COUNCIL

THE SECRETARY reported that the following Members of the Council retire in May next:—Walter Deacon, Alice Freke, Thomas Guthrie, Thomas Hardy, James Jack, John Keall, and Ernest Tom Neathercoat.

REGISTRAR'S REPORT

The registrar submitted his report for the year 1932. The following summary embodies the chief features:—

The subscribers to the Society are 981 life compounders, against 991 in 1931; 14,669 annual subscribers, against 14,396; and 697 student-associates, against 958. The number of apprentices or students registered is 1,410 (1,282 in 1931). An analysis of the examinations in London for the year shows the following:—Pharmaceutical Chemist, 68 candidates, of whom 35 were successful (in 1931 the respective numbers were 54 and 24) and 3 passed as chemists and druggists; Qualifying, 2,599, of whom 542 passed (in 1931 the corresponding numbers were 2,811 and 541). In Edinburgh there were 28 candidates for the Pharmaceutical Chemist, of whom 10 were successful (in 1931 there were 11 successful candidates out of 26 entrants); for the Qualifying, 1,426 candidates, of whom 294 passed (in 1931 the numbers were 1,377 and 373 respectively). The number of pharmaceutical chemists on the Registers on December 31, 1932, was 1,808, and of chemists and druggists 22,492, a total of 24,300. (In 1931 the respective numbers were 1,805, 22,054, and 23,859.) The register of superintendents of bodies corporate in Great Britain, and of firms or partnerships in Scotland, contains 1,495 names (1,480 in 1931). In 169 cases of alleged infringement of the Pharmacy Acts proceedings were instituted (170 in 1931). The number of shops investigated with a view to ascertaining whether a certificate of qualification was exhibited was 6,874 (7,435 in 1931), and 3,671 "drug stores and other shops" were also visited (3,643 in 1931).

THE SECRETARY AND REGISTRAR, commenting on the report, pointed out that there was an increase in membership of 273, compared with 1931, and also an increase of 128 in the number of persons registered as apprentices. Student-associates showed a decrease of 261, but there was an increase of 438 in the number of registrations of chemists and druggists.

MR. PARRY said he was sorry to see that there was an increase in the number of apprentices, and he would like to see chemists exercising the greatest care in accepting such persons and also taking steps to see that they were properly trained. It was obvious to anyone that present-day apprentices did not take the same interest in the Society as those of some years ago, and he thought it would be a nice gesture for apprentices to become members of the Society at an early age.

MR. BEARDSLEY said he felt that something should be done to draw the attention of apprentices to what the Society was doing for them.

THE PRESIDENT urged members of the Council who visited various parts of the country to address meetings of branches to bear the point in mind. He imagined the reason for some of the apprentices not seeking membership was largely a matter of economy.

MR. ROWSELL said the decrease in the number of student-associates was a grave matter, and asked if they could not do something to awaken more interest in that direction. He thought the matter ought to be referred to the Organisation Committee.

THE PRESIDENT said this was a good suggestion.

MR. PARRY drew attention to the much higher percentage of failures in London than in Edinburgh. There must be some reason for this, he added, and he would like to know what it was.

THE PRESIDENT said special circumstances were probably responsible. He thought these were bound to vary, and it should be borne in mind that the January examination came in the middle of the school year and not at the end.

REPORT ON THE PHARMACOLOGICAL LABORATORIES

The report of the Pharmacological Laboratories for the year 1932 (the text of which is published in pamphlet form by the Society) was presented. The report gives the usual particulars of the scientific investigations undertaken, together with a list of references to publications in which reports of this work have appeared. The number of samples tested for payment in the pharmacological department during the year is 202, and the corresponding number in the nutrition department 104.

THE PRESIDENT, commenting on the report, said it contained important observations by Dr. Burn, pointing out the changes in the new Pharmacopœia and facts regarding biological tests and standards. He thought they should say how pleased they were with the excellent work done by Dr. Burn during the whole of the time he had been in charge of the Laboratories. The Council also desired to acknowledge his work in the administration of the financial as well as the scientific side of the laboratories. He proposed the adoption of the report.

THE VICE-PRESIDENT, seconding, said the report was of very great interest. The Laboratories, during the seven years since their establishment, had been of the greatest value to the community and had certainly enhanced very materially the prestige of the Society. He believed that as time went on they would continue to be of the greatest benefit to the community.

MR. HUMPHREY drew attention to the undoubted necessity for the study of physiology and pharmacology. This was a point which had been emphasised by medical practitioners and others. To understand the Pharmacopœia they must have some knowledge of physiology and pharmacology, and these subjects should be included in the curriculum. He hoped Dr. Burn was going to be encouraged, for he had now proved to his own satisfaction that it was possible to obtain an adequate knowledge of the two subjects without a preliminary grounding in biology.

REPORT ON EDINBURGH EXAMINATIONS

A letter was read from the Privy Council enclosing a copy of Professor Stockman's report on the examinations of the Scottish Board of Examiners.

The following are the principal passages in the report:—

During 1932 I attended on twelve occasions the examinations held by the Scottish Board of Examiners. I inspected on three occasions the arrangements made for conducting the written examinations at the Society's House in Edinburgh and at the Royal Technical College, Glasgow. These were eminently satisfactory, both as regards the comfort of the candidates and the precautions taken against the possible occurrence of irregularities. I wish to record my appreciation of the care and fairness shown by all the examiners. In the Pharmaceutical Chemist Qualifying examination, four "passes" out of nineteen candidates is not a satisfactory result. In previous reports I have drawn attention to certain aspects of this examination which seem to me to require alteration, and I understand that consideration is being given to this.

PHARMACOPŒIA COMMISSION

The secretary reported that following negotiations with the two Irish societies Messrs. Hines, Neathercoat and Skinner had been appointed delegates to the Nomination Committee of the Pharmacopœia Commission.

MANCHESTER SCHOLARSHIP

A letter was read from Mr. T. Miller, Manchester, stating that the Manchester Pharmaceutical Association learned with satisfaction of the decision of the Council to increase the value of the Manchester scholarship to £45, and ultimately to £60 a year.

Mr. SIMMONS said they in Manchester were taking the opportunity to circularise the whole of the employers in the area, and he thought something of the same kind might be done in Liverpool. He hoped they would get a more satisfactory type of candidate.

Mr. PARRY said this was one of the occasions when he had to bow to Manchester, where the relationship between the chemists and the University was much closer than was possible at the present time in Liverpool. They in the latter city, however, were doing their best in this matter.

EDUCATION COMMITTEE

The report of the Education Committee showed that amended regulations for the Herbarium prize had been considered, and were now submitted to the Council. The amended regulations were approved, and will come into force on September 1, 1933.

BENEVOLENT FUND COMMITTEE

The report of this Committee showed that ten applications had been considered and grants made, ranging from £13 to £30. A summary of the Committee's three months' work stated that forty-nine grants had been made, amounting in all to £1,087 10s. 0d. During the same period the income was £1,251 3s. 5d. The following special contributions were acknowledged:—Edinburgh District Chemists' Trade Association (collected at Annual Burns Dinner), £8 10s.; H. J. Kluge, £5 5s.; Mr. and Mrs. Freke, £5 5s.; Portsmouth Chemists' Association, £5 5s.; H. R. Matthews, £5 5s.; Medway Branch, £5; H. Payne, £5; F. S. Rose, £4 4s.; C. B. Harrison, £3; Mansfield and District Branch, £3; Reading Branch, £2 12s. 6d.; West Sussex Pharmacists' Association, £2 2s.; Nottingham and District Branch, £1 12s. 9d.; W. D. Smart, £1 3s. 6d.; T. H. H. Francis, £1 1s.; G. Nicholson, 15s.; R. R. E. Perkins, 13s. 6d.; F. G. Holoran, 6s. 6d.; S. C. Blore, 5s. 2d. Orphan Fund.—Portsmouth Chemists' Association, £2 2s.

Mr. BEARDSLEY drew attention to the donation by Mr. and Mrs. Freke. This, he said, had been made with the object of obtaining the concessions granted by the Income Tax authorities. It was an experiment, and the Committee would be kept informed of any difficulties encountered by Mr. and Mrs. Freke regarding refund. What actually happened was that instead of £5 5s. being given to the Fund it would benefit by over £7.

Mrs. FREKE said that any sum, however small, would be welcomed by the Benevolent Fund Committee. If

promised for a period of years a refund was obtainable by the financial secretary from the Income Tax authorities, and the Fund would benefit accordingly.

Mr. ROWSELL said the period referred to was seven years.

The report was adopted.

WAR AUXILIARY BENEVOLENT FUND

This committee reported that they had received three applications and made grants of £26 in each case. During the quarter they had given grants in ten cases, amounting altogether to £196. The report was adopted.

BRITISH PHARMACEUTICAL CONFERENCE

The Executive Committee of the British Pharmaceutical Conference submitted a report. This showed that the chairman and secretary of the Local Committee had reported the arrangements which had been made for the London Conference. It was resolved to ask the Council if the delegates' meetings could be held on the Tuesday and Wednesday afternoons instead of the Tuesday afternoon and Wednesday morning. The Executive would recommend to the meeting of the Conference in London that the invitation for the Conference to meet in Leeds in 1934 be accepted, but only provisional acceptance could be given at the present time of the date suggested—the week commencing July 16, 1934. An invitation had been received from the Pharmaceutical Society of Northern Ireland for the Conference to meet in Belfast in 1935.

The report was adopted.

FINANCE COMMITTEE

The financial statement showed that receipts since the last meeting, including a balance of £38 1s. 10d., amounted to £8,498 19s. 1d., comprising the following items:—Subscriptions, £6,315 4s. 6d.; registration fees, £254 2s.; restoration fees, £2 2s.; examination fees, £2 2s.; School of Pharmacy, £139 4s. 4d.; biochemical analysis course, £236; Pharmacological Laboratories, £244 9s.; British Pharmacopœia lecture fees, £11 10s.; penalties and expenses, £54 4s. 3d.; rentals, £135; interest on deposit, £4 11s. 3d.; "Pharmaceutical Journal," advertisements, etc., £797 0s. 6d.; Quarterly Journal, £103 11s. 6d.; "Pharmaceutical Pocket Book," £4 11s. 7d.; registers, £1 16s. 6d.; examination papers, £4 2s. 7d.; Pharmaceutical Press publications, £16 8s. 6d.; B.P. Codex, £113 4s. 1d.; F.S.S.U. contributions, £13 15s. 8d.; sundries, £7 17s. Payments ordered at the last meeting amounted to £5,646 11s. 10d., and £2,850 had been transferred to Deposit Account, leaving a balance of £2 7s. 3d. The balance on the other accounts were:—Benevolent Fund (current account), £20 6s. 4d.; Benevolent Fund (donation account), £35 6s. 9d.; War Auxiliary Benevolent Fund, £21 10s. 8d.; Orphan Fund, £21 7s. 9d. Accounts amounting to £7,041 16s. 2d. were passed for payment, and the action of the secretary in making payments amounting to £1,088 19s. 4½d. was approved.

LAW COMMITTEE

The report of the Law Committee, presented by Mr. Marns, stated that in England and Wales, since the last report, 551 shops have been visited; of these 260 were chemists' shops. In all the chemists' shops certificates were exhibited. At seven of the remaining 291 shops, carried on by unqualified persons, certain infringements of the Pharmacy Acts were reported. In Scotland, since the last report, seventy-one shops have been visited; of these seventy were chemists' shops, at all of which certificates were exhibited.

"THE PHARMACEUTICAL JOURNAL."

At the meeting on February 1 the Council appointed Mr. J. W. Haynes manager of the Publications Department and Mr. W. K. Fitch, M.P.S., editor of "The Pharmaceutical Journal." The appointments will involve the retirement of Mr. J. P. Gilmour from the editorship of "The Pharmaceutical Journal" and Mr. H. Ffoulkes from the post of advertising manager of "The Pharmaceutical Journal." Mr. Gilmour will be succeeded by Mr. Fitch at the beginning of March; Mr. Ffoulkes will continue his service with the Society until June 30. This was all the public business.

National Pharmaceutical Union

MEETINGS of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4 and 5 Queen Square, London, W.C.1, on January 24, Mr. P. F. Rowsell in the chair.

GIFT SCHEMES

The Executive received a report upon the replies which had been received from the branches in regard to gift schemes. A number of resolutions had been received deprecating the system and promising support to the N.P.U. in any effective action it might decide to take with a view to getting such schemes stopped so far as the chemists' trade was concerned.

The Executive considered a scheme which had been originated by the Plymouth and District Branch for dealing with firms who were doing something to the detriment of the pharmacist. It was decided that this scheme should be considered again when the replies to the circular on gift schemes had all been received.

NEW N.H.I. CONTRACTS

A letter was received from the Ministry of Health confirming the arrangements made in regard to the terms of service from January 1, 1933, onwards.

A suggestion had been received that in view of the heavy amount of dispensing which must have been done during January, no deduction should be made from the January accounts. The Executive considered that it would be inadvisable to adopt the suggestion, and decided to ask the Distribution Committee to continue on the same terms as last year, with a deduction of 15 per cent. off the fees for the first half of the year, and 10 per cent. for the remainder of the year, including the "economy cut" in each case.

TESTING OF DISPENSING

A letter was received from the Ministry of Health stating that as a result of experience of the working of the scheme for testing drugs and appliances the Minister had decided that it was desirable that he should have authority to prescribe by regulations the number of tests taken annually by insurance committees, and he therefore proposed to add a sub-article to the article in question. The Executive decided to offer no objection to the proposal.

SUPPLY OF PROPRIETARY PREPARATIONS

A letter was received from the Ministry of Health saying that it had been represented to the Ministry that they had no right to interfere between a doctor and his patient by suggesting that a chemist should supply quantities of proprietaries other than those ordered. The observations of the Executive were asked in regard to amendments being made to the provisions which would make it less objectionable from the medical point of view. The Executive resolved that the proposal be accepted, with the proviso that the chemists were not to suffer any financial loss as a result of the amendments.

NATIONAL PUBLICITY SCHEME

Several suggestions were received and considered in regard to the national publicity scheme, and were deferred for further consideration before the scheme is launched. A report was received upon the district meetings which had been held. At every one of these meetings the proposal for a National Pharmaceutical Publicity Association had been endorsed, although there was a lack of real enthusiasm and attendance at the meetings had not been very satisfactory.

SPIRIT OF PEPPERMINT

A reply was received from the Commissioners of Customs and Excise definitely refusing to allow any rebate on spirit of peppermint.

STANDARD TRADE DESCRIPTIONS

A communication was received from the National Chamber of Trade asking for the opinion of the Executive

on the proposal submitted by the Board of Trade regarding this subject. The Board of Trade, it was stated, desire to standardise trade descriptions of every kind; but owing to the representations which had been made as to the difficulty of doing so without further information, a Bill designed to carry out this object which was introduced had been withdrawn by the Government and new proposals had been submitted to the various trades concerned. The suggestion is that the Board of Trade should refer to an authoritative body, to be established for the purpose, applications from persons appearing to them to have a substantial interest in the matter for an Order defining the meaning of any word or expression used as or as part of a trade description relating to the material of which any goods are composed. This body would hear applications and would receive evidence from anyone who was affected, and would then make recommendations to the Board of Trade so that an Order in Council could be made providing that specified trade descriptions should only be applied as defined in the Order, and if otherwise applied they were to be deemed to be false descriptions within the meaning of the Merchandise Marks Acts. The Executive resolved to take no action in regard to the matter for the time being.

PHOTOGRAPHIC DEALERS' ASSOCIATION

The Executive considered the correspondence which had taken place with the Photographic Dealers' Association in regard to photographic dealers. A special sub-committee was appointed to consider the position and report to the Executive.

STANDARDS FOR COD-LIVER OIL EMULSION

A letter was received from the Salford city analyst drawing attention to the great variation in the content of oil and hypophosphites in this emulsion, and asking if the N.P.U. would be agreeable to requiring from manufacturers that any deviation from the B.P.C. content of cod-liver oil or hypophosphites should be clearly indicated on the label. The Executive directed that a copy of the letter from the city analyst be sent to the Manufacturers' Association, and that a reply be sent to the Salford city analyst saying that the Executive had no power to require manufacturers to take such action, and that they were not convinced that such a change would be to the advantage of retail chemists, or would necessarily be of benefit to the public.

DRUG SUPPLIES TO SMALL SHOPS

The district meeting of N.P.U. members at Swansea passed a resolution that any chemist who supplied small shops should be debarred from taking office on the Executive of the Union. This was considered carefully and it was ultimately resolved:—"That the Executive supports the principle underlying the resolution, but regards the electorate as the deciding factor in the choice of its representatives and of the conditions of election."

C.D.A. Matters

The secretary reported that there were eight cases outstanding since the last meeting of the directors, of which two had been settled as follows:—Burns on neck caused by wrong lotion used owing to transposed labels; claim settled by payment of £60. Burns on face and head caused by hair lotion supplied; claim settled by payment of £22 15s. 6d.

Twenty-nine new cases had arisen, and settlements had been made in nineteen of these:—Loss incurred through dilute nitric acid supplied for nitric acid for testing gold; claim settled by payment of £1 12s. Benedict's quantitative solution dispensed for the qualitative solution; claim settled by payment of £8 5s. 1d. Damage to dress caused by acetone supplied for removing nail varnish stains; claim settled by payment of £4 4s. Injury to child's hand caused by treatment applied by member; claim settled by payment of £8 7s. 6d. Illness caused to horse by overdosing for worms; claim settled by

payment of £3 3s. Plants damaged by fumigator; claim settled by payment of £1. Puppies died after administration of worm capsules; claim settled by payment of £1 10s. Illness caused by oil of anise supplied for syrup of anise; claim settled by payment of £1 17s. 6d. Cows died after administration of Epsom salts; no claim, but £2 8s. 6d. paid for analyst's fee. Damage to clothing caused by spirit of salt supplied in faulty bottle; claim settled by payment of £3. Clothing burned on member's gas-jet; claim settled by payment of 9s. Injuries caused by cycling errand-boy; claim settled by payment of 8s. 6d. Injuries caused by member's sunblind; claim settled by payment of £25 5s. Damage to car by cycling errand-boy (four cases): claim settled by payment of 14s.; claim settled by payment of 6s. 3d.; claim settled by payment of £1 5s.; claim settled by payment of £9 10s. Camera lost in post; claim settled by payment of £1 8s. Injuries caused by fall over weighing-machine; claim settled by payment of £1 5s.

The Secretary reported that legal advice had been given to members upon a variety of subjects and forty-two analyses had been undertaken for members under the "free" arrangement.

Branch Meetings

Cardiff.—The annual meeting of the Cardiff Branch was held on January 26, when the following officers were elected:—*Chairman*, Mr. J. Lee Jones; *Vice-Chairman*, Mr. A. J. Harris; *Secretary*, Mr. Trevor Thomas; *Assistant Secretary*, Mr. J. T. Day; *Treasurer*, Mr. S. B. Eason; *Committee*: Messrs. J. D. Jenkins, A. T. Mogg, J. Murray, A. S. Johnson, M. Holley, O. Jenkins and W. Gwynne Wigley. The annual report

and balance-sheet was presented. References were made to the loss sustained by the death of Mr. A. Hagon, who had been an active member of the Branch. A discussion took place on gift schemes, the majority deprecating the schemes as being injurious to business. Mr. S. W. Hague, who has acted as district secretary for the P.A.T.A. for ten years, resigned the position.

London (S.E.).—At a meeting of the South-East London Branch, on January 26, Mr. C. H. Foster, in the absence of Mr. Milner, occupied the chair. An address on *Co-operative Advertising* was given by Mr. E. A. Atkins. Mr. Francis, in the discussion which followed, made several suggestions, and on the request of Mr. Atkins it was agreed to send the recommendations to the N.P.U. A vote of thanks, proposed by Mr. E. Oswald Wells, was carried with acclamation.

Warwickshire.—The Warwickshire Branch met on January 26. Mr. F. B. Wooddisse (Kenilworth) was elected *Chairman* in place of Mr. Hutton (resigned), and Mr. C. Davis (Leamington) was re-elected *Secretary*. The increasing number of gift schemes in connection with the sale of proprietary articles was viewed with apprehension by the Branch, and it was resolved to support any efforts made by the N.P.U. to persuade manufacturers to give up these schemes. The secretary reported on a complaint that certain preparations supplied unstamped for dispensing were marked in different figures to the stamped article, and that this practice had caused some difficulty and confusion. The matter had been referred to the N.P.U. He further stated that he had consented to act as secretary to the P.A.T.A. for the present year, and the Branch agreed.

Festivities

Mansfield Dinner

THE annual dinner of the Mansfield and District Branch of the Pharmaceutical Society was held on January 25, under the chairmanship of Mr. G. W. Briggs. Mr. J. G. French (chairman of the National Pharmaceutical Union Executive) replied to the toast, proposed by Mr. A. C. Vallance, of "The Pharmaceutical Society of Great Britain, the N.P.U., and Mr. French."



Mr. French explained the past work of the N.P.U. and outlined some of its future plans. Mr. A. R. Jesson proposed the toast of "The Ladies and Visitors" and Mr. A. C. Vallance proposed "The Chairman." The company was entertained by Mr. Hibbert (baritone), Mr. A. C. Vallance, Mr. P. B. J. Spanderman, Mr. G. W. Briggs, and Miss B. Jesson. A collection was taken during the evening for the Society's Benevolent Fund realised £3.

Newcastle Function

THE principal guest at the annual dinner of the Newcastle and Northumberland Branch of the Pharmaceutical Society, held in the Royal Station Hotel, Newcastle, on January 25, was Mr. Herbert Skinner (a member of the Society's Council). Mr. Skinner delivered an inspiring address, stressing the wisdom of closer co-operation between pharmacy and the medical profession. There was a "no-man's land" between the two, he said, that had not as yet been explored properly. Pharmacy was a good deal more than just the distribution of medicine and dispensing. If they failed to realise that their task was to help, not only to maintain, the public health, then the Society had missed its proper

function. Dr. J. A. Charles (medical officer of health for Newcastle) referred to the happy relations that had always existed between the Corporation's Health Department and the pharmacists of the city. Others who spoke were Dr. Glen Davison, Mr. H. Roper, Mr. A. E. Harris (treasurer and social secretary), Mr. G. H. M. Graham, Dr. E. C. Edgar (principal of Rutherford College), and Mr. C. E. Layne (solicitor to the Branch). Unfortunately the president of the Branch (Mr. Rufus Hepworth) could not attend; the chair was occupied by Mr. A. D. F. Patten (vice-president).

Staff Function

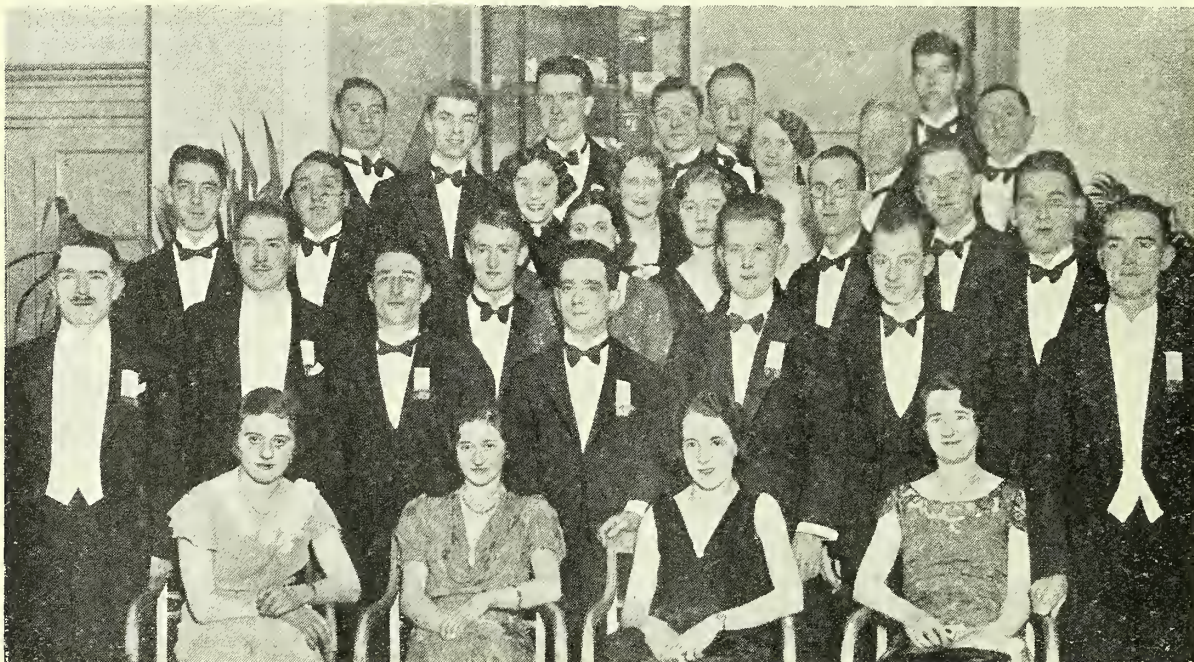
THE annual staff and works dinner of William Gardner & Sons (Gloucester), Ltd., machinery manufacturers, Gloucester, was held on January 27. Mr. Charles E. Gardner (chairman) presided, and was supported by Mrs. Gardner, the Mayor and Mayoress, Mr. H. L. Boyce (M.P. for Gloucester), Mr. F. C. Gardner (managing director) and Mrs. Gardner, Mr. D. G. Price (secretary and director) and Mrs. Price. Mr. C. E. Gardner mentioned the happy relations existing between the company and the employees. He himself had completed fifty-one years' service. There were on the works office staff eighteen persons who had been in continuous employment with the company for from twenty-four to thirty-six years. He was pleased to report they had kept all their old employees during the year and they had been able to add to the number. The output of the works had increased, and they still had a number of good orders on their books and many inquiries. The health of "The Directors" was proposed by Mr. Preen and seconded by Mr. A. Romanes; Mr. Frank Gardner responded. "The Visitors" was proposed by Mr. Price and replied to by the Mayor, Mr. H. L. Boyce, and Mr. T. Bell.

A Dublin Dance

THE fifth annual dance of the "Pharmaceutical Chemists and Students," held at the Gresham Hotel, Dublin, on January 24, was in every way an enjoyable and successful function. Mr. J. P. Lamphier, M.P.S.I., was chairman of the committee responsible for the arrangements and an efficient M.C. Other members of the committee were Messrs. F. E. Smith, S. Condon, F. C. Cavanagh, T. B. O'Sullivan, L. Clarke, C. Gilmurray, A. Hurson,

W. F. Keyes, P. Lawlor, S. Lawless, M. J. McMahon, E. McMahon, J. Smith, M. Walsh, Misses N. Kieran, J. Knok, D. McErlean, and I. O'Clery. The dance was run for the purpose of raising funds for the provision of a social club and reading rooms in Dublin for the use of those engaged in pharmacy. Those who presented prizes were:—Hayes, Conyngham & Robinson, Ltd., Johnson Brothers, Gillette Industries, Ltd., J. J. Roche & Co., Ltd., Nyal Co., May, Roberts & Co., Ltd., A. de St.

opportunity was taken to present Mr. Ernest Beckwith (for the past three years secretary of the Association) with a grandfather clock in recognition of his services. The toast of "The Pharmaceutical Society of Great Britain" was proposed by Mr. K. J. Padwick, who welcomed Mr. Hines. He congratulated Mr. H. B. Mackie (head of the Pharmacy Department of the Brighton Technical College), who, he said, was chosen to assist in the production of the British Pharmacopœia. Mr. Pad-



A GROUP OF GUESTS AND MEMBERS OF COMMITTEE AT THE IRISH PHARMACEUTICAL CHEMISTS' AND STUDENTS' DANCE

Dalmas & Co., Ltd., Fairy Dyes, Ltd., Kodak, Ltd., Ayrton, Saunders & Co., Ltd., Irish Pharmaceuticals, Ltd., Potter & Moore, Ltd., and Leonards Pharmacies. Subscriptions were received from the following:—Evan Williams & Co., Ltd., Mr. Victor E. Hanna, Evans Sons Lescher & Webb, Ltd., Wigglesworth, Ltd., Dae Health Laboratories, Ltd., Boileau & Boyd, Ltd., Gollin & Co., Pty., Ltd., Beechams Pills, Ltd., and United Chemists' Association, Ltd.

Brighton and Hove Dinner

THE annual dinner and dance of the Brighton and Hove Association of Pharmacy was held in the Grand Hotel, Brighton, on January 26. The guests, to the number of 300, were received by the president (Mr. K. J. Padwick) and Mrs. Padwick, and included Mr. F. Gladstone Hines (president of the Pharmaceutical Society), Dr. J. O. Summerhayes (chairman of the Brighton division of the British Medical Association) and Mr. R. J. Messent (chairman of the Brighton and District section of the British Dental Association). During the evening

wick gave several instances of the Society's development—notably the successful vacation courses and the institution of post-graduate diplomas. He regretted, however, that pharmacy had never received the treatment to which it was entitled, in spite of its strenuous efforts to protect its interests. Although disappointing, the situation might have been far worse had the Society's leaders not displayed tact and discretion in dealing with the many difficulties. Mr. Hines, in reply, forecast the evolution of the pharmacist into a specialist, a trained and skilled worker, giving specialist services to the community. "The Local Branches of the British Medical and Dental Associations" was proposed by Mr. John Plowright, who emphasised the cordial relations existing between pharmacists and these two professions. In reply Dr. Summerhayes paid a tribute to pharmacists for their ready co-operation. He had found that pharmacists were always ready to help him. Mr. Edgar Jones proposed "The Ladies and Our Guests," and welcomed visitors. Mr. H. C. Browne (president of the Eastbourne Pharmacists' Association) responded. The M.C.s were Mr. J. E. Vickers and Mr. H. F. Foster (secretary).

Association Meetings

Liverpool.—The annual meeting of the Liverpool Chemists' Association was held on January 25. Mr. H. Humphreys Jones, who delivered an address (p. 117), was re-elected *President*. Mr. L. Moreton Parry congratulated Mr. Humphreys Jones on his re-election and on his admirable address, and Mr. Harold Wyatt congratulated the Association upon having such a president. Mr. George L. Clubb was re-elected *Vice-President*, and Mr. Martin S. Hughes *Treasurer*, while Mr. Alec Rae was chosen to succeed his brother (Mr. John Rae) as *Secretary*. The retiring officers were cordially thanked, Mr. R. H. Evans mentioning, in the

case of Mr. Martin Hughes, that he had been treasurer for ten consecutive years. The eleven retiring members of the Council were re-elected and asked to co-opt a twelfth member to take the place of the late Mr. C. Wherly.

Manchester.—Under the auspices of the Junior Branch of the Manchester Pharmaceutical Association a lantern lecture on *Norfolk: Seaside Resorts and the Broads* was given on January 25. Mr. H. Steinman was in the chair. Interest in the lecture was sustained by the description of the slides by Mr. R. B. Maskell, the lanternist. Mr. J. W. Wood proposed a hearty vote of thanks to Mr. Maskell. Messrs. Sinmons, Brindle and Cleworth described their experiences during holidays in Norfolk.

Trade Report

Where possible scales of prices of chemicals are given for bulk down to small quantities. Prices recorded for crude drugs, essential and fixed oils and coal tar products are for fair sized wholesale quantities. Qualities of chemicals, drugs, essential and fixed oils, etc., vary, and selected brands or grades would be at higher values

28 Essex Street, W.C.2, February 2

BUSINESS coming on the markets for some products is quite good while the call for others is still distinctly small, commodities in the crude drugs market being the chief sufferers. This market may liven up in the near future as it is reported that the wholesale druggists have done quite well this month. Sterling has had a steady week, except that the Canadian dollar has slumped and has upset one or two markets. The demand for pharmaceutical chemicals has again been quite good for internal trade and the general tone here is steady. Guaiacols are dearer on spot. The new scale of prices for phenacetin has been issued and is on a comparatively low level. Sulphonal, amidopyrin, phenazone and similar markets are all steadier, with much less price-cutting in evidence. In crude drugs business is patchy, with a number of important articles still very quiet. Balsam Tolu is again a point dearer on spot. Belladonna root is now practically unobtainable on spot and high prices have been paid this week. Japanese camphor is flat. Gum acacia is steadier and there is some interest in the new crop. Ipecacuanha is more or less lifeless. Menthol has had a bad week and forward is slightly easier. Rubber has reached low rates. The fall in the Canadian dollar has cheapened senega to come forward. Senna pods are steady. Cascara sagrada is well up to the recent advance for spot and shipment is firm. The essential oils market is by no means generally active, but at the same time a fairly satisfactory volume of business is being done in some products. Bergamot seems to be steady and the demand has improved. Ceylon and Java citronella have been quiet and are a point easier, except the latter for spot, with a shortage. Bourbon geranium for shipment is dearer and offers are being restricted at origin; spot supplies are also scarce. There has been a good inquiry for new crop Sicilian hand-pressed lemon. Palmarosa is cheaper. Japanese peppermint has been disappointing and is easier forward. Wormseed is at lower rates. Coal-tar products are generally steady, the weak features being cresylic acid and creosote oil. Carbollic acid crystals are at high rates and supplies are short. In fixed oils business has been slow with palm oils easier. American turpentine and linseed oil are slightly lower.

Exchange Rates on London

THE following is a list of the chief Continental and other exchange rates at the opening on Thursday morning:—

Centre	Quoted	Par	February 2	Value of the £
Amsterdam ...	Fl. to £	12·107	8·43	13/11½
Berlin ...	Mks. to £	20·43	14·25	13/11½
Brussels ...	Belga to £	35	24½	13/11
Copenhagen ...	Kr. to £	18·159	22·40	24/8
Lisbon ...	Esc. to £	110	110	20/-
Madrid ...	Ptas. to £	25·22½	41½	32/9½
Milan ...	Lire to £	92·46	66½	14/4½
Montreal ...	Dol. to £	4·86½	4·04	16/7
New York ...	Dol. to £	4·86½	3·38½	13/11
Oslo ...	Kr. to £	18·159	19½	21/5½
Paris ...	Fr. to £	124·21	86½	13/11½
Prague ...	Kr. to £	164·25	114½	14/9½
Stockholm ...	Kr. to £	18·159	18·45	20/3½
Warsaw ...	Zloty to £	43·38	30½	14/2
Zurich ...	Fr. to £	25·22½	17½	13/11

Bank rate 2 per cent.

Pharmaceutical Chemicals, etc.

A STEADY and moderately good flow of business is being done in this market and the general tone is steady. The demand for bromides, aspirin and other seasonal lines has been good. Phenacetin is now offered on a new scale of fixed prices. Iodides, mercurials and bismuth salts are all unchanged. Guaiacols are dearer on spot.

ACETANILID.—Business has been a little better, market steady; B.P. crystals and powder, 1s. 5½d. to 1s. 8d. per lb., as to quantity.

AMIDOPYRIN.—Business has been fairly good for small quantities; spot prices are holding; crystals, five cwt., 18s.; two cwt., 18s. 3d.; less than two cwt., 19s. 6d. per lb., with powder 2½d. per lb. extra.

AMMONIUM ICHTHOSULPHONATE.—Quoted prices are maintained on a rather slow market; one cwt.: 1s. 6½d. in 14 lb. tins; 1s. 8d. in 1 lb. tins; 1s. 10d. in 8 oz. tins; and 2s. per lb. in 4 oz. tins.

ASPIRIN.—Good business continues to be done in this product, and makers' and dealers' prices are very steady; home trade: ten cwt., 2s. 9d.; five cwt., 2s. 10d.; one cwt., 2s. 10½d.; 28 lb., 2s. 11d.; 14 lb., 3s.; 7 lb., 3s. 2d. per lb. Export to Colonies and British Possessions: ten cwt., 2s. 9d.; five cwt., 2s. 10d.; one cwt., 2s. 10½d. per lb., f.o.b.; less than one cwt., 2s. 11d. per lb., ex works.

BARBITONE.—Dealers have been receiving a fair inquiry for small quantities: spot, one cwt., 11s.; 56 lb., 11s. 3d.; 14 lb., 11s. 8d.; small parcels, up to 12s. 4d. per lb.

BENZOIC ACID (B.P.).—The market continues steady, with an average business passing; quantities, ex works, 1s. 9½d. per lb.; 1s. 10d. to 2s. 1d. per lb., ex store, as to quantity.

BISMUTH SALTS.—Makers' prices for these products are steady at the recent reductions.

BROMIDES.—Rather more inquiry, with the market steady as quoted by makers and dealers: ammonium, not less than five cwt., 1s. 9d.; one cwt., 1s. 10d.; smaller quantities, 2s. 1d. per lb.; potassium B.P. crystals and granular, not less than five cwt., 1s. 6d.; one cwt., 1s. 7d.; smaller quantities, 1s. 10d. per lb.; sodium B.P., not less than five cwt., 1s. 8d.; one cwt., 1s. 9d.; smaller quantities, 2s. per lb. net, without engagement. Special prices for larger quantities.

BUTYL CHLORAL HYDRATE.—This market remains rather dull; quoted unchanged: spot, 14 lb., 8s.; 7 lb., 8s. 3d.; 1 lb., 8s. 6d. per lb., in 1 lb. bottles.

CAFFEINE.—Competition and a very limited business are the features of this market: pure alkaloid, 5s. 6d. to 6s. per lb.; citrate, to 4s. 3d. to 4s. 10d. per lb., as to quantity.

CALCIUM LACTATE.—Prices are keen here for good-sized inquiries: spot, one cwt., 1s. 1½d.; 56 lb., 1s. 2d.; 28 lb., 1s. 3d.; smaller quantities, up to 1s. 6d. per lb.

CHLORAL HYDRATE.—There is no change in makers' prices: duty-paid crystals, in 14 lb. free containers, five cwt., 3s. 4d.; one cwt., 3s. 5d.; 56 lb., 3s. 6d.; 28 lb., 3s. 7d.; 14 lb., 3s. 8d. per lb.; 28 lb. jars one penny per lb. extra.

CITRATES.—Home makers' prices are as follows:—

	Under 4 lbs.	4 lb. and under 7 lb.	7 lb. and under 14 lb.	14 lb. and under 28 lb.
Ferri et ammon. cit., B.P. (brown) ...	s. d.	s. d.	s. d.	s. d.
Potass. citras. B.P. ...	2 5	2 3	2 1	1 11
Sodii citras. B.P.C., 1911 ...	2 3	2 1	1 11	1 9
Sodii citras. B.P.C., 1911 ...	2 0	1 10	1 8	1 6
Sodii citras. B.P.C., 1923 ...	2 4	2 2	2 0	1 10

28 lb., 3d. per lb. less. Special prices for bulk quantities.

CITRIC ACID (B.P. CRYSTALS).—British makers' quoted price for home trade is 9½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are offering spot at competitive prices.

CREAM OF TARTAR.—The home trade price quoted by makers for 99 to 100 per cent. material is holding at 85s. per cwt., less 2½ per cent. discount, nominal and without engagement. Dealers are offering at about level figures.

CREOSOTE (B.P.).—Occasional business is being done. Quantities in 25 kilo demijohns at about 1s. 11d. per lb.; smaller parcels, up to 2s. 4d. per lb.

CREOSOTE CARBONATE.—Inquiry remains slow, with dealers quoting spot from 8s. 6d. to 10s. per lb.

GUAIACOL CARBONATE.—Spot offers in some quarters are moving up, with most holders now asking from 9s. to 9s. 9d. per lb., as to quantity.

HEXAMINE.—A very fair volume of business is being done in this article, and the market is steady: free-running crystals, spot, ten cwt., 2s. 2½d.; two cwt., 2s. 4d.; one cwt., 2s. 4½d.; smaller quantities, up to 2s. 6d. per lb.

HYDROQUINONE.—The controlled prices are steady, with not much outside material offering: ten cwt., 5s. 7½d.; five cwt.,

5s. 8½d.; two cwt., 5s. 9d.; one cwt., 5s. 9½d.; 56 lb., 5s. 10½d.; 28 lb., 6s. 0½d.; 14 lb., 6s. 2½d.; 7 lb., 6s. 4½d. per lb., carriage paid.

IODIDES.—Makers' prices are as follows:—Potassium iodide, B.P.: for not less than one cwt., 13s. 5d.; 28 lb., 13s. 8d.; 14 lb., 13s. 11d.; 7 lb., 15s. 5d.; 4 lb., 15s. 8d.; smaller quantities, 15s. 11d. per lb. Sodium iodide, B.P.: for not less than 28 lb., 14s. 5d.; 14 lb., 14s. 11d.; 7 lb., 16s. 10d.; 4 lb., 17s. 2d.; smaller quantities, 17s. 6d. per lb. Iodide resub., B.P.: for not less than one cwt., 15s. 2d.; 28 lb., 15s. 5d.; 14 lb., 15s. 11d.; 7 lb., 17s. 1d.; 4 lb., 17s. 11d.; smaller quantities, 19s. 3d. per lb. Iodoform, B.P. cryst., precip. or powder: for not less than 28 lb., 18s. 2d.; 14 lb., 18s. 8d.; 7 lb., 21s. 3d.; 4 lb., 21s. 9d.; smaller quantities, 22s. 2d. per lb. Orders or contracts of not less than one cwt. (which may be taken assorted) containers of 28 lb. and outer packages free. Carriage paid. Prices are quoted without engagement. Contracts for one cwt., five cwt., ten cwt., or larger quantities, for delivery as required during a period of four months, with rebates applicable to the quantity booked. As the price for iodine is based on the gold dollar, the prices for iodides must necessarily be subject to rise and fall conditions, and accordingly contracts carry the following clause: "The prices of the foregoing contract are subject to a rise and fall clause, the price applicable to any given delivery being that in force on the date of receipt of the order, or on the date of despatch, whichever may be the lower." Rebates as before.

LACTIC ACID (B.P.).—The market is about steady, but there is competition for business: quantities in carboys, 1s. 5d. to 1s. 6d.; in winchesters, 1s. 7½d. to 1s. 9d. per lb., as to quantities.

MERCURIALS.—Makers' prices are as follows:—

	Under 12 lb.	Not less than 12 lb.
	Per lb. s. d.	Per lb. s. d.
Ammoniated lump, B.P. (white precip.)	4 10	4 9
Ammoniated powder, B.P. ...	5 0	4 11
Bichloride lump, B.P. (corros. sub.) ...	4 1	4 0
Bichloride powder, B.P. ...	3 9	3 8
Chloride, B.P. (calomel) ...	4 10	4 9
Red oxide cryst., B.P. (red precip.) ...	5 11	5 10
Red oxide levig., B.P. ...	5 5	5 4
Yellow oxide, B.P. ...	5 3	5 2
Persulphate white, B.P.C. ...	5 0	4 11
Sulphide black (hyd. sulph. cum sulph.) 50 per cent. ...	4 11	4 10

Net, without engagement. Special prices for large quantities and for contracts deliverable during three months.

METHYL SALICYLATE (B.P.).—There is a steady inquiry for this article, and the market is fully maintained: one ton and over, 1s. 4½d.; ten cwt., 1s. 5d.; five cwt., 1s. 5½d.; one cwt., 1s. 6d.; less than one cwt., 1s. 6½d.; small quantities in bottles, up to 2s. per lb.

METHYL SULPHONAL.—Dealers' prices for spot are steady, and business has been rather better: two cwt., 20s.; one cwt., 20s. 9d.; 56 lb., 21s. 4d.; small parcels, 22s. per lb.

METOL.—Business is quiet, with quoted values unchanged: 56 lb., 9s. 3d.; 28 lb., 9s. 6d.; 14 lb., 9s. 9d.; 7 lb., 10s. 9d. per lb. in tins, bottles extra. Wholesale distributors' prices for smaller quantities at higher prices.

MORPHINE.—Makers' prices are as follows:—

	Under 5 oz.	5 oz. and over assorted	For 100 oz. assorted contracts over 6 months	For 250 oz. assorted contracts over 6 months
Morphine :	oz.	oz.	oz.	oz.
alkaloid precip. ...	23/2	22/1	21/7	21/1
meconate ...				
tartrate (neutral) ...				
acetate ...				
hydrochloride powder ...	18/8	17/10	17/4	16/10
sulphate ...				

Fall clause for contracts of 100 oz. and over.

MILK SUGAR.—A fair inquiry continues for this article, and the market is steady: Continental, one ton, 53s.; ten cwt., 54s. 6d.; two cwt., 56s. per cwt., in two-cwt. cases.

PARAFORMALDEHYDE.—The market is about steady, and inquiry is sustained: 100 per cent. powder, quantities in kegs, 1s. 2½d. to 1s. 3½d.; smaller parcels up to 1s. 7d. per lb.

PHENACETIN.—The new agreed scale of sales prices is as follows: ten cwt., 4s. 1½d.; five cwt., 4s. 3d.; one cwt., 4s. 4½d.; 56 lb., 4s. 6d.; less than 56 lb., 4s. 9d. per lb. Some outside material is likely to be competitive for a time.

PHENAZONE.—The spot market is steadier, but spot prices are still under cost of replacement. Business has been more in evidence: crystals, ten cwt., 9s. 11d.; five cwt., 10s. 2d.; two cwt., 10s. 4d.; and less, 11s. per lb., with powder 2½d. per lb. extra.

PHENOLPHIALEIN.—The increase in the scale of prices recorded last week is maintained, and there does not appear to be much second-hand about, but consumers seem to be well stocked: two cwt., 4s. 7d.; one cwt., 4s. 8d.; 28 lb., 4s. 11d.; 14 lb., 5s. 2d.; 7 lb., 5s. 5d.; smaller parcels, up to 5s. 8d. per lb.

PHENYL ETHYL BARBITURIC.—Business has been slow, and there is an occasional seller at under the controlled prices: one cwt., 36s. 9d.; 56 lb., 38s.; 28 lb., 39s. 3d.; smaller quantities, 40s. 6d. per lb., in 2 lb. bottles, carriage paid; small lots in different packing at higher prices.

POTASSIUM PERMANGANATE (B.P.).—This market is steady, and the usual amount of small business is being done: quantities in two-cwt. drums, 8½d. to 9d.; druggists' parcels, 9½d. to 10d. per lb., as to quantities.

POTASSIUM SULPHOGUAIACOLATE.—The market is dearer, with most holders now asking from 6s. 6d. to 7s. per lb., as to quantity.

PYROGALLIC ACID.—Market is steady, but rather dull: 56 lb., 7s.; 28 lb., 7s. 3d.; 14 lb., 7s. 9d.; 7 lb., 8s. 6d. per lb., in 7 lb. tins.

QUININE SULPHATE.—The Convention price is holding at 2s. 5d. per oz., carriage paid on bulk quantities.

RESORCIN.—Some little inquiry is being received, market about steady: crystals, one cwt., 4s. 11d.; 56 lb., 5s.; 28 lb., 5s. 1d.; 14 lb., 5s. 3d.; 7 lb., 5s. 6d.; less than 7 lb., 6s. per lb.

ROCHELLE SALTS.—Makers' prices for these products are as follows:—Five cwt. or over, in one delivery, 77s. 6d.; less than five cwt., 80s.; less than one cwt., 82s. 6d. per cwt., carriage paid, with crystals 2s. 6d. per cwt. extra; pulv. seidlitz, five cwt. or over, in one delivery, 62s. 6d.; less than five cwt., 64s. 3d.; less than one cwt., 66s. 3d.; double seidlitz, five cwt. and over, 69s.; less than five cwt., 71s. 3d.; less than one cwt., 73s. 3d. per cwt., carriage paid. Quoted without engagement.

SALICYLIC ACID (B.P.).—Market is firm at makers' prices, and business is satisfactory: one ton, 1s. 7d. per cwt., ten cwt., 1s. 7½d.; five cwt., 1s. 8d.; one cwt., 1s. 8½d.; 28 lb., 1s. 9d.; 14 lb., 1s. 10d.; 7 lb., 2s. per lb.; higher prices for smaller quantities.

SALOL.—A little more inquiry this week, with quoted prices holding: spot, crystals, two cwt., 5s. 9d.; one cwt., 5s. 11d.; 56 lb., 6s.; smaller parcels, 6s. 1½d. per lb.; powder, 2d. per lb. extra.

SANTONIN.—The agreed prices are steadily maintained. Quoted from 125 dollars per kilogram for not less than 50 kilogram up to 162 dollars for not less than one kilogram. Smaller quantities at higher prices.

SODIUM BENZOATE (B.P.).—The market is keen for a limited business; quantities from 1s. 8½d. up to 1s. 11d. per lb. for small parcels.

SODIUM DIETHYLBARBITURATE.—This market is steady, and a fair business in small lots is being done: spot, one cwt., 12s. 9d.; 56 lb., 13s.; 28 lb., 13s. 3d.; 14 lb., 13s. 6d.; 7 lb., 13s. 9d.; smaller parcels, up to 14s. per lb.

SODIUM SALICYLATE (B.P.).—There is a sustained demand, with makers' and dealers' prices quite steady: home trade, powder, two tons, 2s.; one ton, 2s. 0½d.; ten cwt., 2s. 1d.; five cwt., 2s. 2d.; one cwt., 2s. 3d.; 28 lb., 2s. 4d.; 14 lb., 2s. 6d.; 7 lb., 2s. 7d.; 1 lb., 2s. 8d. per lb., with crystals one penny per lb. extra.

STRYCHNINE.—Makers' prices continue at the reduction notified last week.

SULPHONAL.—Dealers are doing a fair business, and prices on spot are steady: crystals, two cwt., 16s. 2d.; one cwt., 16s. 8d.; 56 lb., 17s.; smaller parcels, up to 18s. per lb., with powder 2½d. per lb. extra.

TARTARIC ACID (B.P. CRYSTALS).—The quoted price for home trade by makers is maintained at 10½d. per lb., less 5 per cent. discount, nominal and without engagement. Dealers are quoting at about the same figure.

THEOBROMINE.—Some limited business is reported at competitive prices: pure alkaloid, 5s. to 5s. 4d. per lb.; sodium salicylate, 4s. 9d. to 5s. per lb., as to quantity.

THYMOL.—Business remains poor, with the market easy as quoted: synthetic, fine white, one cwt., 5s. 6d.; 56 lb., 5s. 7½d.; 28 lb., 5s. 9d.; 14 lb., 6s. per lb.; ex ajowan seed, one cwt., 7s. 3d.; 56 lb., 7s. 4½d.; 28 lb., 7s. 6d.; 14 lb., 7s. 9d. per lb.

Crude Drugs, etc.

AGAR AGAR.—Spot is dull and unchanged; shipment is quoted a point easier: spot, Kobe No. 1, 2s. 4½d.; No. 2, 2s. 3d.; Yokohama No. 1, 2s. 3d. per lb.; shipment, Kobe No. 1, 1s. 9d.; No. 2, 1s. 7d.; Yokohama No. 1, 1s. 7d. per lb. c.i.f.

ANTIMONY.—Chinese crude on spot is nominal; for shipment, £18 10s. c.i.f. Chinese oxide, spot, £28; shipment, £22 10s. c.i.f. Market is steady.

ARNICA FLOWERS.—Dealers are offering spot supplies at about 11d. per lb.

BALSAMS.—There has been a steady call for *Tolu* in small lots, and the market is dearer at from 3s. 5d. per lb. Peru is unchanged at 4s. 7d. to 4s. 8d. per lb.

BELLADONNA.—There appears to be an acute shortage on spot of good test root with business done up to as high as 65s. per cwt. Supplies are reported to be on their way and due in a few weeks. Leaves, spot, 67s. 6d. per cwt.

BUCHU.—The usual bale business continues on spot at former rates. The position of new crop is indefinite at the moment, but it is understood that shippers are looking for about 9d. per lb. c.i.f. for average quality green rounds. There was no carry-over from last year.

BURDOCK ROOT.—Spot supplies are available and quoted at about 45s. per cwt.

CAMPHOR.—This market remains slack with spot and shipment prices quoted unchanged: spot, slabs, 2s. 3d.; flowers, 2s. 3d.; tablets, 2s. 9d. per lb.; shipment, slabs, 1s. 10½d.; flowers, 1s. 10½d.; tablets, 2s. 2d. per lb. c.i.f. English refined is quoted unchanged: flowers, one cwt., 3s. 1d.; 28 lb., 3s. 2d.; small lots, 3s. 3d. per lb. Transparent tablets, 4 oz., 8 oz., and 16 oz., 3s. 4d.; 1 oz. and 2 oz., 3s. 5d.; ½ oz., ½ oz. and 1 oz., 3s. 6d. per lb.; special prices for contracts for quantities.

CASCARA SAGRADA.—This market is fully steady and stocks here and at origin are reported small: spot, 1932 peel, 63s. 6d. to 65s. 6d.; 1931 peel, 71s. per cwt. The shipment position is firm and difficulty is being experienced in placing orders.

CHAMOMILES.—This market is fully steady on former spot values and there is little offering to come forward.

CLOVES.—Business has been rather slow but the market is steadier: Zanzibar, spot, 6½d.; shipment, February-March, 5½d. per lb. c.i.f.; Madagascar, spot, 6½d. per lb.

The landings of Zanzibar in London during the week ended January 21 were 79 and the deliveries 9, leaving a stock of 1,216. From January 1 to date landings of Zanzibar have been 79 and the deliveries 37. Landings of Madagascar for the week ended January 21 were nil and the deliveries nil, leaving a stock of 1,129. Landings of Madagascar this year to date have been nil and the deliveries 27.

COCOA BUTTER.—Prime English is quoted from 9½d. to 10½d. per lb., as to quantity; market quiet.

COCONUT (DESICCATED).—Quoted values are moving back after the recent advances, market quieter: spot, fine, 27s.; medium, 24s. 6d.; shipment, halves, February-March, 22s. 9d. per cwt. c.i.f.

COD-LIVER OIL.—Business is only occasional with last year's oil quoted at about 90s. per barrel, c.i.f. for finest Lofoten steam refined non-freezing medicinal oil. Spot, 107s. 6d. per barrel, ex store, duty paid. Fishing has not yet commenced owing to bad weather.

GELATIN.—A fair business is being done and prices are steadily maintained: spot, gold leaf, 2s. 2d.; silver leaf, 2s.; bronze leaf, 1s. 9d.; thin leaf, 1s. 8d. per lb. in cwt. lots.

GENTIAN.—This article continues fully steady on spot as quoted at 55s. per cwt. Supplies are definitely scarce.

GINGER.—The spot market for West African is about steady although business is slow; quoted at 20s. per cwt.; for arrival, 17s. 6d. c.i.f.

GUM ACACIA.—The market is steadier after the decline in values recorded last week, and interest is being shown in the new crop, reports on which have been rather conflicting but tending to suggest shortage: spot, Kordofan cleaned sorts, 37s. 6d.; natural, 36s.; bleached, 77s. 6d. per cwt.; shipment, Kordofan cleaned sorts, 35s. 6d.; natural, 34s. per cwt. c.i.f.

HONEY.—There has been a little more interest in this product and fair business is being done at fully former rates.

HYDRASTIS.—Dealers are offering spot at about 4s. 6d. per lb., with business rather slow.

IPECACUANHA.—This market is badly neglected and the quoted value for Matto Gross on spot is nominally unchanged at 5s. to 5s. 1d. per lb.

MALE FERN EXTRACT.—Dealers are quoting against inquiries for limited quantities at about 4s. 7d. per lb.

MANNA.—Selected flake, in 1-lb. tins, is offering on spot at about 3s. 6d. per lb.

MENTHOL.—The market has been quiet this week. K/S. spot is quoted at 17s. 6d. per lb., and slightly less for bulk quantities; afloat is offering at about 15s. 4½d. and shipment is easier with January-March at 14s. 9d. per lb. c.i.f.

MERCURY.—The official quotation for Spanish-Italian is 35 dollars per bottle, f.o.b. Continental port, and for spot 36 dollars, ex wharf.

OPIMUM.—There is no further change to report and the position is steadier, with bulk quantities at 1s. 1d. and smaller lots at 1s. 2d. to 1s. 3d. per unit, landed and duty paid.

PEPPER.—Quoted values are slightly easier on the week; business has been slow. Lampong, spot, 5½d.; shipment, January-March, 4½d.; March-May, 4½d. c.i.f. Tillicherry, spot, 6d.; shipment, January-March, 43s. 6d. per cwt., c.i.f. Aleppy, spot, 5½; shipment, January-March, 42s. 3d., c.i.f. White Muntok, spot, 6d.; shipment, January-March, 5½d.; March-May, 5½d. per lb., c.i.f.

PIMENTO.—The market is quoted easier and business has been slow. Spot, 3d.; shipment, February-April, 23s. 3d. per cwt., c.i.f.

QUILLAIA BARK.—Dealers are offering whole bark at about 23s. and crushed at about 30s. per cwt.

RUBBER.—The market has been depressed all the week and is again quoted easier. U.K. stocks total 89,267 tons, compared with 90,789 tons last week and 125,339 tons a year ago. Standard ribbed-smoked sheet, spot, 2½d.; February, 2½d.; March, 2½d.; April-June, 2½d.; July-September, 2½d.; October-December, 2½d. per lb.

SAFFRON.—Some small business continues to be done, with the market about steady; spot, prime B.P., 61s. 3d.; extra B.P., 57s.; super B.P., 54s. per lb., and slightly less for bulk quantities.

SARSAPARILLA meets with a quiet demand for small lots; quoted unchanged; spot, native mixed colours, 1s. 1d. to 1s. 2d.; grey Jamaican, 1s. 9d. to 1s. 10d. per lb., as to quantity.

SEEDS.—Markets remain unchanged, with little spot business passing. **ANISE.**—Spanish, 52s. 6d. Levant unobtainable on spot. **CANARY.**—Spot, Mazagan, 12s.; Tangier, 11s.; Kenitra, 10s. 6d. **LINSEED** is firm. Mazagan, 15s. 6d., and Morocco 14s. **CORIANDER.**—Morocco 1929 crop selling at 16s. Wormy offering at 13s. 9d. spot. **CUMIN.**—Malta, 35s. spot; Morocco in demand at 33s. 6d. spot. **FENUGREEK.**—Tunisian, 15s. spot, and Morocco, 12s. 6d. to 13s. **CARAWAY.**—Dutch, 33s. 6d., duty paid, and 29s. 3d. f.o.b. Holland. **MUSTARD.**—English, 20s. to 29s. 6d., according to quality.

SENEGA.—The spot price is mentioned at about 2s. per lb. Shipment has weakened with the fall in the Canadian exchange, and is now at about 1s. 10d. per lb. c.i.f.

SENNA.—Business on spot has been of small account, but the general position is steady. Spot values for Alexandrian and linnevelly pods of all descriptions are unchanged, as reported last week.

SHELLAC.—Although rather quiet, values are well maintained. Spot, standard TN orange, 55s.; fine orange, 65s. to 130s.; pure button, 70s. per cwt. For delivery, TN, March, 47s. 6d.; May, 48s. 6d. For arrival, TN, January-February and February-March, 45s. per cwt. c.i.f.

SQUILL.—There appears to be no good white available on spot. Fair quality is quoted at 22s. 6d. and manufacturing at 18s. per cwt.

STRAMONIUM LEAVES.—Some spot lots of Hungarian fair green are quoted at about 45s. per cwt.

Essential Oils, etc.

The volume of business being done in these products is not at all bad, but the trade is patchy and, in the cases of some articles, sales prices are at low rates. A feature of the market is the definite shortage of supplies in a few products. Japanese peppermint is dull and rather easier.

ALMOND.—English sweet oil is quoted by makers from 2s. 7d. for cwt. lots up to 2s. 9d. per lb. for small quantities.

ANISE (STAR).—The spot market is dull and unchanged; shipment is a trifle easier, with little interest shown; spot, "Red Ship," in leads, 1s. 10d.; in tins, 1s. 7½d.; in drums, 1s. 7d.; shipment, in leads, 1s. 7d.; in tins, 1s. 6½d.; in drums, 1s. 6d. per lb. c.i.f.

BERGAMOT.—The better tone reported last week is being maintained and spot is now generally quoted from 7s. 6d. to 7s. 9d. per lb. Shipment is at about 6s. 10½d. per lb. c.i.f. for bulk quantities.

BOIS DE ROSE.—The call for Brazilian on spot is not much, but with little available the price is steady at 5s. 6d. per lb. Shipment is supporting this figure and the offerings are limited. Cayenne is nominal.

CAJUPUT.—This market does not attract much attention; spot quoted at about 2s. 4d. to 2s. 6d. per lb., as to quantity.

CANANGA.—Spot values are in the region of 9s. 3d. to 9s. 6d. per lb., with a rather slow demand.

CARAWAY.—Some little business in Continental twice-rectified at about 7s. 6d. per lb. for fair quantities. Dutch is steady from 9s. 6d. to 10s. 6d. per lb., as to quantity.

CASSIA.—There is very little interest in this market; spot is holding in the region of 3s. 8d., with not much available. Shipment is dull and quoted at about 2s. 10½d. per lb. c.i.f.

CEDARWOOD.—A limited business is passing at former rates. Colonial, spot, 1s. 8½d. in drums and 1s. 9½d. per lb. in tins. American, spot, about 1s. 10½d. in drums, with smaller quantities up to 2s. per lb.; shipment, 1s. 8½d. per lb. c.i.f. in drums.

CINNAMON LEAF.—Dealers are finding business rather slow. Spot is quoted at about 3s. 1d. to 3s. 2d. per lb. in tins and shipment at 2s. 3½d. per lb. c.i.f. in drums.

CITRONELLA.—Rather easier conditions are reported in Ceylon and Java, and the amount of inquiry is on the small side. Ceylon, spot, 2s. to 2s. 1d. and slightly less for bulk quantities; shipment is at about 1s. 9½d. per lb. c.i.f. Java, spot, is in very short supply and values are holding at 2s. 10½d. to 2s. 11d.; shipment is a point easier at 2s. 5d. per lb. c.i.f.

CLOVE.—English oil is moving fairly well, with the prices from 4s. 3d. to 4s. 6d. per lb. Madagascar on spot is about 3s. 8d. and for shipment about 3s. per lb. c.i.f.

EUCALYPTUS.—A little more inquiry this week, with prices unchanged. Australian, 70 to 75 per cent., about 1s.; 80 to 85 per cent., about 1s. 1d. per lb., and a shade less for bulk quantities. Spanish, 70 to 75 per cent., 1s. 2d. per lb.

GERANIUM.—So far as Bourbon is concerned there seems to be a shortage on spot of good oil, with any holders looking for about 25s. per lb. There are offers at less. The shipment market is reported firmer and is now in the region of 22s. per lb. c.i.f. and offers are being restricted. Algerian is firm on spot at close up to 24s. 6d. spot, and shipment quotations are very limited and work out at about 23s. per lb. c.i.f. There is occasional inquiry on the market.

GINGERGRASS.—Some limited business is being done in the region of 7s. 6d. to 7s. 9d. per lb. spot, as to quantity.

JUNIPER BERRY.—This market has remained dull, with spot values at about 4s. to 4s. 2d. per lb., as to quantity.

LAVERDER.—The former cheaper offers are not quite so much in evidence; prices for best brands of new crop French are maintained, as follows: 50 to 52 per cent., 10s. 6d. to 10s. 9d.; 40 to 42 per cent., 9s. 3d. to 9s. 6d.; 38 to 40 per cent., 8s. 9d. to 9s.; 36 to 38 per cent., 8s. 3d. to 8s. 6d.; 30 to 32 per cent., 7s. 6d. to 7s. 9d. per lb., delivered, and slightly less for bulk quantities.

LEMON.—Some good business is reported to have been done in Sicilian new crop hand-pressed for shipment, at keen prices. Offers are at about 4s. to 4s. 8d. per lb. c.i.f. Spot is of little interest except for small lots at about 4s. 6d. to 5s. per lb. Californian, in large drums, 48 cents; in small drums, 49 cents per lb. c.i.f.

LEMONGRASS.—The market is steady and a moderate business continues. Spot, about 2s. 2½d. to 2s. 4d. per lb., as to quantity; shipment, about 2s. 1½d. per lb. c.i.f.

LIME.—With a definite shortage on spot and at origin, the landed price is well maintained at 38s. 6d. to 39s. per lb. for West Indian distilled. The demand, however, is quiet.

MANDARIN.—Dealers are asking in the region of 16s. per lb. for small spot parcels.

ORANGE.—There is little fresh news to report here. The French Colonial product, which seems to be selling well, with prices in the region of 2s. 9d. per lb. c.i.f. and less, as to quantity, is making the Sicilian, West Indian and Californian products of little interest and more or less nominal. Sicilian sweet, new crop, 5s. 6d. to 6s. per lb. c.i.f., and spot about 6s. to 6s. 3d. per lb. Californian, 50 cents per lb. for single cases and 45 cents for two or more cases, spot.

PALMAROSA.—The market is easier as quoted at about 7s. 9d. to 7s. 10d. per lb., as to quantity.

PATCHOULI.—Business is rather slow, but spot is about steady at 8s. 3d. to 8s. 6d. per lb., as to quantity; shipment, about 8s. 1d. per lb. c.i.f.

PEPPERMINT.—Interest in the spot market for Japanese has been small, with the quoted price about 6s. 3d.; shipment is easier, and there is little doing; afloat, 6s.; January-March, 5s. 10½d. per lb. c.i.f. The American natural oil is very steady for shipment in the region of one dollar 95 cents per lb. in drums, c.i.f.

PETITGRAIN.—Although in limited demand the spot price is very steady at about 5s. to 5s. 2d. per lb.; supplies are small.

ROSEMARY.—This market is receiving some attention; spot values are close up to 1s. 9d. for bulk quantities and small parcels are at about 1s. 10½d. per lb.

SANDALWOOD.—Genuine East Indian is steady at 24s. to 25s. per lb., as to number of cases.

SASSAFRAS.—The finest natural oil is at about 6s. per lb., with other offers in the region of 4s. to 4s. 6d. per lb.

SPEARMINT.—Business has been none too good for some time. Spot is quoted at about 7s. 6d. to 7s. 8d. per lb., as to quantity.

SPIKE.—A moderate business is being done, and values for Spanish are steady. Spot, 3s. 3½d. to 3s. 5d. per lb., as to quantity.

WORMSEED.—Quotations are slightly cheaper. Spot, 13s. to 13s. 3d.; shipment, 11s. 6d. per lb. c.i.f.

Fixed Oils, etc.

BUSINESS in these products has been disappointing and values in a number of instances are easier. Palm oils are at very low figures. American turpentine is not so firm, and linseed (raw, naked) is cheaper. ACID OILS.—The market is quoted slightly cheaper with business on the quiet side: coconut and/or palm kernel, 20s. 3d.; groundnut, 19s.; soya, 14s. spot. CASTOR.—Values quoted for all grades are on a lower level and business is only moderate; pharmaceutical, 39s. 6d.; first pressings, 34s. 6d.; second pressings, 30s. 6d. (barrels); cases, £4 per ton extra ex mills, Hull, in not less than one-ton lots; Bombay, 29s. 9d. (drums) c.i.f. nominal. COCONUT.—The market is a point cheaper this week; business slow: deodorised, 29s. 6d. (barrels) spot; Ceylon, 23s. 3d. (drums) c.i.f. COTTON.—Business has been none too good and values are quoted a shade easier for all grades: deodorised, 30s.; common edible, 28s.; soapmaking, 27s.; crude, 24s. 9d. (barrels), spot. GROUNDNUT.—A moderate business with values slightly cheaper: deodorised, 38s. 3d. (barrels), spot; crude Oriental, 27s. 6d. (drums), c.i.f. LINSEED (RAW, NAKED).—The market is easier and dull: on spot, 17s. 3d.; February, 15s. 7½d.; February-April, 16s.; May-August, 17s. 4½d.; September-December, 18s. 4½d.; boiled oil, spot, 20s. 3d. OLIVE.—Quoted prices are unchanged and a fair business is being done: edible, in tins in cases, 8s.; in drums, 5s. 6d.; B.P., 4s. 6d. per gallon, in 40-gallon barrels. PALM.—A fair volume of business is being done, but values have reached a very low level: Lagos, 16s. 3d.; softs, 14s. 3d.; medium, 15s. 3d.; hard, 16s. 6d.; bleached, 19s. 3d., spot. PALM KERNEL.—The market is steady and business is about average: deodorised, 28s. 6d.; crude, 22s. 9d., spot. RAPE.—Quoted values are steady, business quiet: refined, 33s.; crude, 31s., spot. RESIN.—Prices are holding with the market rather quiet: B, 13s. 3d.; D, 13s. 9d.; F/D, 15s. 3d.; N, 20s. 3d.; W/G, 22s.; W.W., 24s. 6d. per cwt., ex wharf. SOYA.—Business is slow and the market is rather easier: deodorised, 28s.; crude, 21s. 6d., spot. TURPENTINE, AMERICAN.—The market has been dull and is quoted slightly lower. Total London stocks, 18,994 barrels. On spot, 65s. 9d. WOOD.—A moderate business is being done with Hankow in barrels steady at 49s. 6d.

Bergamot Oil

FOLLOWING the order whereby the bergamot oil industry was again put on a free trade basis, a Royal Decree Law (No. 1527) was published in the Italian official gazette whereby the stock of bergamot oil held by the consortium for sale for the account of the producers, is declared to be the property of the consortium at the price of seven lire per Calabrian pound (same as Sicilian pound). This fixed price of seven lire per pound represents one-half of the market price for bergamot oil which is selling at around 14 lire per Sicilian pound. The advances already paid out to producers by the general bergamot warehouse against warehouse warrants will be reimbursed to the general warehouse by the consortium up to the amount of seven lire per Calabrian pound. It is further provided that the bergamot oil will then be sold for what it will bring under guarantee that it will be used for purposes other than its normal use as a perfume material. The Ministry of Corporations has appropriated 5,000,000 lire to cover the cost to the consortium of taking over and disposing of the stock of bergamot oil. From the day of the publication of the decree in the official gazette, the consortium is prohibited from entering into any business transactions, except such transactions as are connected with the disposal of the stock of oil in question.

Sicilian Citric Acid Exports

DURING the first six months of 1932 exports of citric acid amounted to 577,219 kilos., valued at 4,239,277 lire, compared with the higher figure of 959,842 kilos., valued at 9,797,404 lire during the corresponding period of 1931. Shipments to all leading consuming countries fell off decidedly during the first half of 1932, compared with the same period of the previous year, particularly to the United Kingdom, which took only 20,300 kilos., valued at 140,880 lire, in 1932, whereas the exports during the first half of 1931 amounted to 273,119 kilos., valued at 2,708,273 lire.

Correspondence

Letters should be written on one side of the paper only. Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Goods in France

SIR,—A better place and opportunity could not present itself to British manufacturers to discuss their export business than the Buyers' Club at the British Industries Fair. I sincerely trust that all those interested in foreign commerce will do their utmost to visit the chemical and druggists' sections of the Olympia section. For some time now the great handicap to British goods in France has been the uncertain high tariffs. From previous experience, when discussing the question of duties, transport and importing charges, many manufacturers have replied: "We are informed that British goods (referring generally to patent medicines) pay 15 per cent. on invoice value plus 6 per cent. importation tax." This does not seem heavy at a glance. When the goods arrive the aspect changes. How many in England have seen a French customs sheet or duty slip? The following is an exact copy of one, which accompanies all packets either by post or rail, and which refers to a small, urgent and assorted order from a London wholesaler. The value of the invoice was 17s. 10d., or 75.75 fr.:—

	Fr. Ct.
Droits d'entrée suivant acquit de douane No. 13,536	10.50
Droit de statistique (douane)	.90
Timbre	.30
Tax représentative du chiffre d'affaires	5.46
Surtax (on exchange rates since 1931)	
Décret du 1.2.31 J.O. des 14 et 15.11.31	
15 per cent.	10.50
Droit de permis (douane)	.50
Tax pour formalités en douane	1.00
Droits de timbre sur bulletins d'expédition postaux	.50
Affranchissement de lettres d'avis	
Imprimés	
Octroi	1.45
Total	Fr. 31.11
Receipt	.50
	31.61
Tips	.50
	Fr. 32.11
Freight English port to Paris	11.55
Grand total	Fr. 43.66

The above serves as a mild example of the importance that manufacturers should attach to quotations for the French market and the preference derived by manufacturing on French soil.—Yours faithfully,
15 Rue de Rome, Paris. G. R. TOOGOOD.

Education and Apprenticeship

SIR,—“Meteor,” who writes on the above subject in your issue of January 28 (p. 96), is aptly named. He flashes across your pages in a truly dazzling manner, annihilating in his transit such time-honoured institutions as the B.P. and colleges of pharmacy, and trailing over the clear skies of thought a nebula of hazy notions. “It is obvious that no dispenser in his right mind ever dreams of making a B.P. preparation.” Alas! then I am mad, for I make them daily—not for amusement, nor to minister to a disordered fancy, but because certain misguided persons, prescribers and customers, require them. True, the B.P., considered as a formulary, is not an ideal compilation; but as a standard and guide to the preparation of medicines it surely has its uses. What are these wonderful “newer galenicals,” pounds and gallons of which are made in the up-to-date dispensary of the ultra-modern apprentice-master? I dare swear that most of their ingredients are to be found in the B.P., where a certain standard of purity is demanded of them. “Meteor’s” suggested syllabus of the Qualifying

examination is a consummate example of perverse reasoning. Why should the student be examined in tablet-making and the tubing of ointments, operations which the shopkeeping chemist (for whom this syllabus is designed) seldom has an opportunity of performing as part of the normal routine of his day’s work, but not in maceration, percolation and the making of ointments, which are everyday jobs in every dispensary worthy of the name? Can pills, emulsions and plasters be truly termed obsolete so long as they are in daily demand throughout the country? As for the analysis of water, urine, etc., I seem to remember these subjects having been included in the syllabus when I was working for the Minor twenty-five years ago. “Materia medica and Latin [and] botany should be definitely cut out.” But these subjects, apart from the fact that they are of undoubted use to the pharmacist, have cultural value; the student who is well grounded in them is equipped to take an interest in the plant-life of the earth, in the languages of Europe and their literature, and therefore to enjoy life more fully and to be a better all-round human being. As a tilt at traditional orthodoxy “Meteor’s” essay is good fun; as a piece of constructive criticism it is negligible.—Yours faithfully,
BERNARD W. GILL.

Nottingham.

SIR,—I should be pleased if you would allow me to make a few comments on the article by “Meteor” in your issue of last week. Having carefully read this extraordinary article, I must disagree with several of his remarks. Although only one of his young impudent dispensers (surely he means chemists), I have had experience in upwards of twenty pharmacies, ranging from working-class to a high-class inland spa, and have yet to find one with a well-equipped dispensary or any sign of a laboratory; and I must therefore congratulate him on the up-to-date equipment of his pharmacy—surely he stands alone. Apprenticeship, since its inception, has been regarded by employers purely as a source of cheap labour; and an apprentice has only to thank the much-despised college of pharmacy for any insight he may have into dispensing, pharmacy, or even the way to keep a bench clean. Finally, although I have had the apparent misfortune to be trained almost entirely on the B.P. at a college of pharmacy, I find I am quite efficient at making those pounds and gallons of B.P.C. preparations if ever called on to do so.—Yours faithfully,
E. NEAL.

Bolton, Lancs.

SIR,—“Meteor’s” criticisms of the training of apprentices and of the syllabus of the Chemist and Druggist examination are curiously contradictory. He apparently finds no use for the B.P., 1932, and is prepared to wait for the next edition of the B.P.C.—which, we are assured, will contain many galenicals which have been deleted from the B.P. His favoured formulary will thus be about twenty years old in many respects. Again, he says that “no dispenser in his right mind ever dreams of making a B.P. preparation.” I can assure him that many preparations can still be made better than they can be bought—syrups, macerated tinctures, ointments, infusions—and at a cost which will pay for qualified labour to be employed—more profitably still if made by apprentice labour. His suggested syllabus is weird and wonderful. Pills and emulsions have become obsolete! Possibly, in some districts; but then he proceeds to add analyses of water, milk, urine, blood, etc. Will he let us know what percentage of retail businesses undertake this work? Water analysis requires special premises to ensure an ammonia-free atmosphere. Blood and urine are tested by doctors; and if occasionally they call upon a pharmacist to undertake such work, they are not willing to pay professional fees. In any case the dispensing

chemist cannot compete with the B.Sc., B.Pharm., and A.I.C. If he wants to be an analyst well and good, let him qualify for the job and leave pharmacy.

Yours faithfully,
B. G. W. HOARE.

Cromer.

Publicity Scheme for Pharmacy

SIR,—One reads with considerable interest, and applauds, the whole-heartedness of Mr. G. A. Mallinson in his endeavours to secure agreement and patronage for his publicity scheme. It is natural, of course, when members are asked for subscriptions towards any particular objective to propound all manner of queries; but pharmacists in general should, by now, be thoroughly advertising-minded. To my own mind, Mr. Mallinson's scheme will be the turning point of the pharmaceutical depression; but it is not a scheme to hesitate over, nor to lend a hand in unwillingly. Roughly it is estimated, as a result of a *questionnaire*, that the total for one year's publicity will be £20,000. Such a sum reads and sounds very effective. Many manufacturers of medicines, toilet preparations and infant foods spend a similar amount each month of the year however. It therefore is of extreme necessity that the cash is spent judiciously in its most effective and economic channels, and the suggestion put by a member at Leeds recently that experts should be consulted is wise. To the actual policy appeal, no doubt, Mr. Mallinson has given serious thought, but so far we are in complete oblivion. Whatever it is, whatever the message, it will more easily do its job coupled with brevity. The public are not going to read yards of reasons why, nor technical stuff. It will need a catchy headline and a telling and lasting slogan. My own suggestion is "Get it at the Chemist's." Its origin rests with a well-known West End store, and I offer my apologies to them. "Get it at the Chemist's" should be on everyone's mind. £20,000 will not allow a great frequency of insertions in the Press. Perhaps a fairly large initial announcement could be made, and then small spaces only used for a period as reminders. Newspapers—and particularly those with the largest circulations—demand high rates, as much as £8 per single-column inch, and it seems obvious that absolute discretion is needed in choosing the correct media. Priority should be given to women's papers and papers that get home. It is certain that a "Get it at the Chemist's" campaign could be greatly augmented by pharmacists in their own local publicity efforts, by repetition of the adopted slogan. The appropriation will hardly allow for any outdoor advertising, unless some of the large manufacturers of sundries give a small proportion of their space on posters, etc., to the slogan. The "Eat More Fish" campaign, the series on "Eat More Fruit," the "Buy British" scheme and others were all big successes; and a "Get it at the Chemist's" plan seems to have as sound a basis and as responsive a future as any of the forerunners of community advertising.—Yours, etc.,
Billericay.
S. T. GAY.

SIR,—“Publique” has a very fair idea of the difficulties confronting the Publicity Scheme for Pharmacy. When a scheme is evolved that will benefit subscribers, whilst excluding non-subscribers, chain-store chemists and co-operative societies, I will support it, but candidly I prefer to be left to do my own advertising. Direct advertising of a commodity is much better than abstract principles.—Yours faithfully,

ODDMAN (2/2).

Increased Price of Roll Films

SIR,—The arrival by the same post of a number of circulars couched in identical terms shows that the increase in price of films was the result of agreed action by the manufacturers. Faced with uneconomic prices, the manufacturers had the alternatives of increasing the price directly (as they have done) and indirectly (by reducing the number of exposures per spool and maintaining the 1932 prices. For three reasons I consider that the indirect method would have been preferable:—(1) Increasing the price is bound to leave a feeling of irritation and deter people from using films as freely as they would otherwise do. A reduction in the number

of exposures would pass unnoticed by many people. (2) Most cameras are not suitable for eight-exposure films. Numerous films have been handed in which would not wind in the camera after the sixth exposure. This difficulty ought to be overcome irrespective of price alterations. (3) Many retailers own automatic machines for delivering $3\frac{1}{2}$ by $2\frac{1}{2}$ films for 1s. These are now rendered useless. I suggest, therefore, that it would be better to give a seven-exposure ordinary film and a six-exposure-chrome film for 1s. in the 20 size, and for 1s. 3d. or 1s. 4d. in the 16 size.—Yours truly,

C. B. Y. (31/33).

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

C. E. (9/81).—RED MITE ON CANARIES.—Dust the bird with insect-powder, especially under the wings, and paint the cage, including all crevices, with pine oil or terebene. If the bird bathes, add a teaspoonful of infusion of quassia to the bath-water. A white cloth thrown over the cage at night will attract the insects, which can then be destroyed.

G. F. (13/81).—COUGH CANDY.—A formula for cough candy is as follows:—

Granulated sugar	...	...	9 lb.
Brown sugar	...	...	5 lb.
Liquorice paste	...	...	$1\frac{1}{2}$ lb.
Tartaric acid	...	...	$1\frac{1}{2}$ oz.
Ipecacuanha powder	...	...	1 oz.
Tincture of tolu	...	...	1 oz.
Oil of peppermint	...	...	$\frac{1}{2}$ oz.
Cream of tartar	...	...	$\frac{1}{2}$ oz.
Water	...	...	4 pints

W. R. (13/81).—DEFROSTING ROADS.—We have no knowledge of the particular preparation which is being used on greyhound racing tracks, but calcium chloride in solution and flake has been successfully employed for defrosting roads in Canada. The strength of the solution is from 25-30 per cent. In the case of the flake it is mixed with sand or breeze and in the event of refreezing acts as a binder, thus giving a roughened surface.

H. J. G. (9/81).—KILLING MOLES.—Pledgets of cotton-wool soaked in the carbon disulphide should be placed in the animals' runs and covered with turf. An alternative method of destruction is by red squill baits. These can be made as follows:—

Meal	...	...	25 gm.
Shredded meat	...	...	21 gm.
Liquid red squill	...	...	21 gm.

Divide into fifteen baits and insert two in each hole. The baits should not be touched by the hands.

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," February 15, 1883

A Draft Pharmacy Bill

A draft Pharmacy Act Amendment Bill has been prepared by the Pharmaceutical Council and submitted to the Privy Council. It proposes to make a schedule of "poisonous" substances, to include sulphuric, hydrochloric, nitric, and carbolic acids, and chloride of antimony, but does not ask that the sale of these shall be restricted to chemists. It would confine the sale of patent medicines containing poison to chemists, and require them to be labelled "Poison." By its other provisions branch shops would require qualified managers, medical prescriptions could only be dispensed by chemists, and companies would not be able to keep open chemists' shops. . . . It by no means follows that the Privy Council are committed to the adoption of all or any of the Pharmaceutical Council's suggestions.



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and Pharmaceutical
Chemicals



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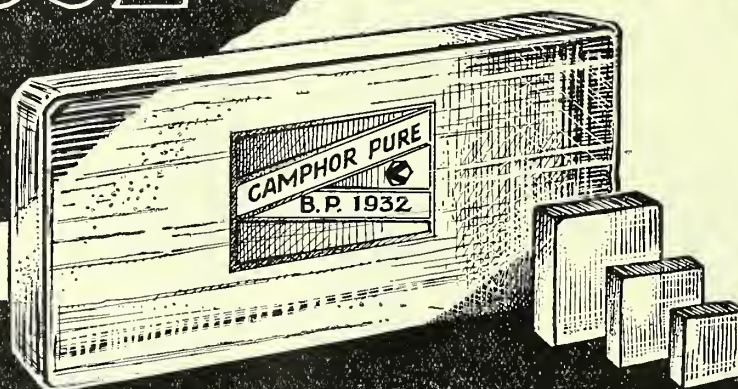
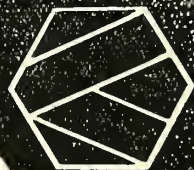
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Manchester Office:
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HENDON, LONDON, N.W.4

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B.P. 1932



Powder.
Slabs. 2½ lbs.
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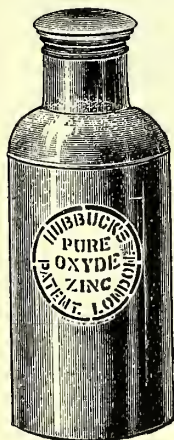
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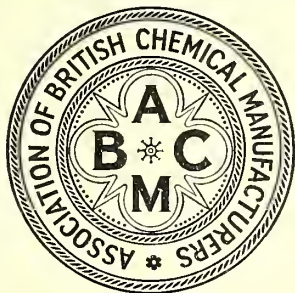
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For fuller particulars consult page 236
THE CHEMIST & DRUGGIST DIARY, 1933

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Compound Glycerine of Thymol ..	2/6 "
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Glycerine, Honey and Lemon ..	2/6 "
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2 oz. tins, 5/6 per doz. 4 oz. tins, 10/0 per doz.

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In 4 lb. Free Tins.

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QUININE

QUINIDINE
CINCHONINE
CINCHONIDINE

Sugar-coated Quinine Tablets and Pills.

and

SALTS

Gelatine-coated Oval Pills.

BANDOENG
JAVA

BANDOENG QUININE FACTORIES

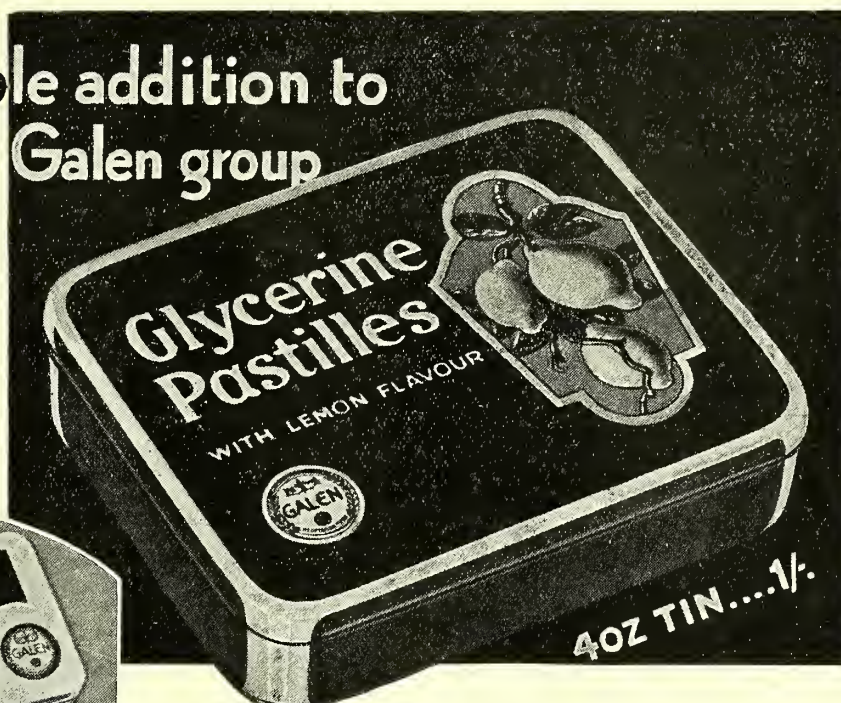
AMSTERDAM
De Wittenkade 48-50.

Telegrams: "Kininefabriek Bandoeng."

Samples, prices and particulars on application.

Telegrams: "Semadmy Amsterdam."

An agreeable addition to
the popular Galen group



GLYCERINE PASTILLES with Lemon Flavour :

The old time favourite soother of tired and sore throats—glycerine and lemon. This new Galen pastille is recommended for the purity of its ingredients, convenient packing and reasonable retail price of 1/- per 4 oz. tin.

CINNAMON LOZENGES : An effective lozenge highly medicated with the purest oil of cinnamon. 6d. per tin.

SISTER'S THROAT PASTILLES : Enjoys a strong demand. A warming and soothing pastille of the Chlorodyne type. Packed in 4 oz. tins at 1/- each. Also in 6d. tins.

MITCHAM MINTS : Are hand-made lozenges with a high content of real Mitcham ol. menth. pip. 6d. per tin.

GLYCERINE & BLACKCURRANT PASTILLES: A blending of real blackcurrant fruit juice and glycerine. The popular fruit throat pastille, welcomed for its agreeable flavour and efficacy. In 4 oz. tins at 1/-

GALEN
PRODUCTS

REGD TRADE MARK

Manufactured by
THE GALEN PRODUCTS CO., LTD., STOCKPORT

Sole Selling Agents :
THOMPSON & CAPPER WHOLESALE LTD.
Manesty Buildings, College Lane, LIVERPOOL

Paraffinum Liquidum

B.P.
ALL GRADES
SAMPLES & PRICES

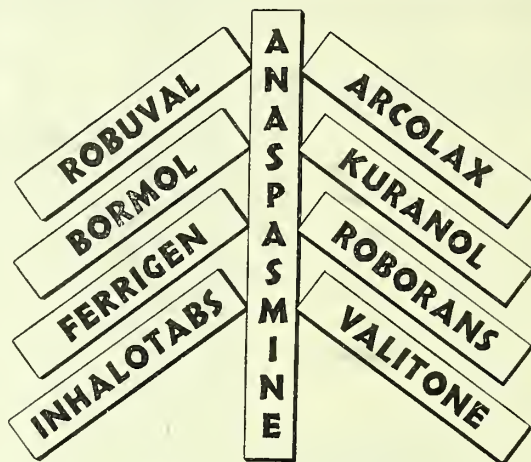
On application to —

STERNS LTD

16 Finsbury Square London E.C.2

WHOLESALE ONLY

PRESCRIBED LINES



Manufactured and Advertised
to the Medical Profession by

ROBERTS and CO.

Pharmaciens to H.M. The King

76 New Bond Street, London, W.1

and at Paris

Phone : Mayfair 4173

'Grooms : Portland, London

3/-
EACH

PATENT
APPLIED FOR



K-D Your medicines, delicate instruments, tools, cigarettes, etc., all can be taken care of by using K-D.

- K-D Keeps salt and sugar dry
- K-D Keeps biscuits crisp
- K-D Keeps jam free from mould
- K-D Can be used in your wireless set, piano, clock, etc., etc.
- K-D For wardrobe & linen cupboard
- K-D Detects and corrects damp beds

K-D Lasts for Years!

Obtainable from ALL WHOLESALEERS or from:

Sole Distributors:—**ELMESAN (London) LTD.**
Dept. C.D.

66 Victoria Street, London, S.W.1

See our Exhibit at the "B.I.F." (Stand C.1., Empire Hall) and the "Ideal Home Exhibition."

THIS HOUSEHOLD REMEDY HAS A BIG SALE

Cephos
Pronounced See-foss
REGD THE
PHYSICIAN'S
REMEDY

Retails at
1/3 and 3/-
in powders
or tablets

Single
Powders
2d. each

For
**INFLUENZA
AND COLDS
HEADACHE
RHEUMATISM
NEURALGIA
LUMBAGO
SCIATICA**

from your
usual
wholesaler
or write
direct

SHOWCARDS & DISPLAY MATTER

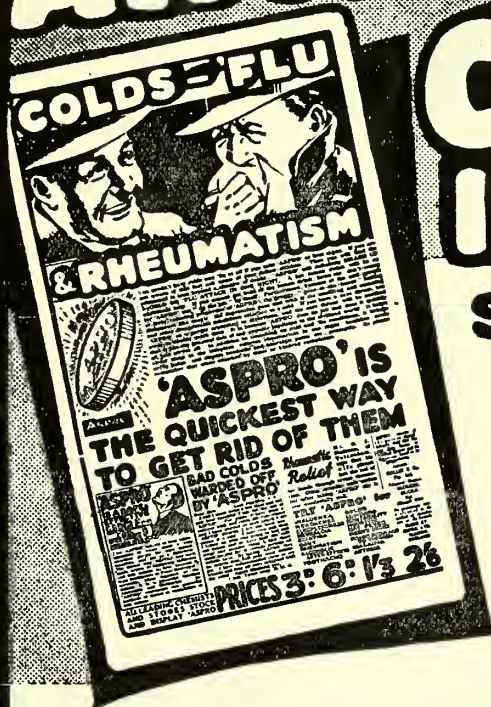
Sent upon application to Cephos Ltd., Blackburn,
whether you obtain supplies from us or elsewhere.

Cephos Ltd. Blackburn



AN ANTI-FLU CRUSADE IS NOW ON

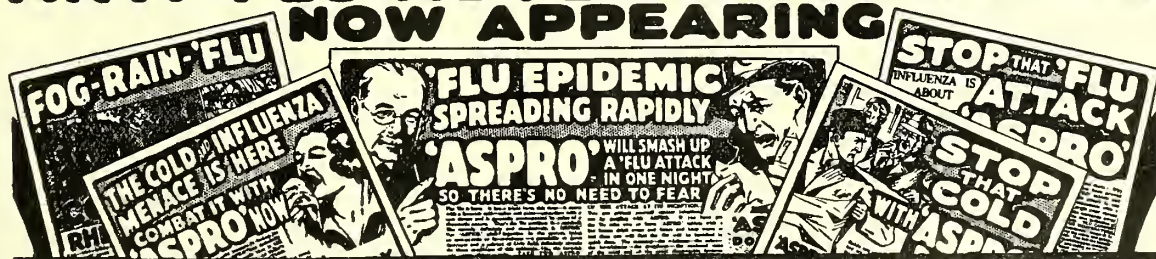
STICK UP YOUR STICKERS PUT IN YOUR WINDOW-SHOWS



Business is stirring—health service is required. There are ten times more people needing 'ASPRO' at the present time than at most times. We are alive to it—OUR ANTI-FLU CRUSADE IS IN FULL SWING.

Our advertising appropriation has been increased commencing with half pages in the leading dailies—featuring colds, 'flu and rheumatism. Altogether 32 MILLION PEOPLE are being appealed to through over 300 papers. You can obtain TREMENDOUS business NOW by keeping in your 'ASPRO' window-show and putting up window stickers to make contact with this great advertising and sales creating movement.

HERE ARE SOME OF THE ANTI-FLU ADVERTISEMENTS NOW APPEARING



'ASPRO' consists of the purest Acetylsalicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & CO. PTY. LTD. ('Aspro' Dept.)
SLOUGH, BUCKS.

Telephone: SLOUGH 608

Made by ASPRO LTD., SLOUGH, ENGLAND.

No proprietary right is claimed in the method of manufacture or the formula.

ASPRO
REG. TRADE MARK

DRIED YEAST

Produced from the celebrated "D.C.L." pure culture Yeasts, obtainable in the following grades :—

- (1) For fermentation or baking purposes.
- (2) For medicinal use, in ground or powdered form.

YEAST TABLETS

- (1) Live—or fermenting.
- (2) Silent—or non-fermenting.

DRY MALT EXTRACT

A kindred product to the world-renowned "D.C.L." Malt Extract.

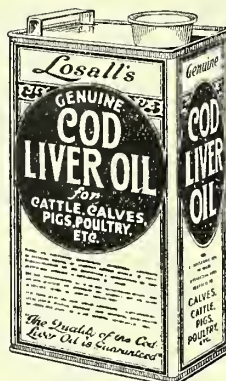
Samples and prices may be obtained from :—

THE

DISTILLERS COMPANY LTD.,
12 TORPHICHEN ST., EDINBURGH

or :—

THE UNITED YEAST COMPANY LTD.
LONDON, BRISTOL, BIRMINGHAM,
MANCHESTER, LEEDS & NEWCASTLE

Lofthouse & Saltmer, Ltd., Hull

**GENUINE
COD
LIVER
OIL**

**FOR CATTLE
AND
POULTRY**

Guaranteed to contain all the Vitamins naturally present in a genuine oil, and to conform to the following tests of the British Pharmacopoeia for pure Medicinal Cod Liver Oil, namely : Specific Gravity, Saponification Value, Iodine Value, Refractive Index, Unsaponifiable matter.

1 gall. & 5 gall. Tins. 25 gall. Barrels & 40 gall. Drums
Free Containers. — ENQUIRIES SOLICITED.

Lofthouse & Saltmer, Ltd., Hull

FINEST PURE LOFOTEN

COD LIVER OIL



BRÖDR AARSÆTHER A/S

AALESUND,
NORWAY

VETERINARY
COD LIVER OIL
A SPECIALITY

SOLE AGENTS FOR U.K. (EXCEPTING SCOTLAND)

Freudentheil, Smith & Co.

21 MINCING LANE, LONDON, E.C.3

Tel. Add. : "Freudenruf"

Tel. No. : Royal 6600

STOCKS HELD IN LONDON

AGENT FOR SCOTLAND: ANDREW STEVEN & SON, GLASGOW

PURE ORANGE WINE

A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P. 1914.) Prepared in strict accordance with the Formula of the British Pharmacopoeia.

(Wholesale only.)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 74 Great Tower Street, LONDON, E.C.3.

ESTABLISHED 793.

The Best and
Safest Infants'
Medicine of
over 130 years'
standing.

ATKINSON & BARKER'S
INFANTS' PRESERVATIVE

Does not
contain
any
Scheduled
Poison.

ROBERT BARKER & SON, LTD., 13 WESLEY STREET, C. on M., MANCHESTER

INFLUENZA

A wonderful record

Copy of a telegram
dispatched
24th January.

FOR POSTAGE STAMPS.
Any Stamp for which there is not room here should be affixed to the back of this Form.
12 words, including the words in the address, 1/- (1/6 if the address is in the Irish Free State). Every additional word, 1d. (Sunday Telegrams 6d. Extra).
STAMPED FORMS. Telegram forms with embossed 1/- stamps are issued, price 1/- each, or in books of 20 interleaved, price 20/3d.

SEE NOTICE AT BACK.
POST OFFICE TELEGRAPHS.
(Inland Telegrams).

A. Time Handed in _____
Office of Origin and Service Instructions.

Charge, _____ Sent _____
At _____
To _____
By _____

WORDS. _____
Actual Charge 20/-

No. of Telegram _____

When paying a reply, write here "R.P." followed by the amount, if over 1/-. No charge is made for these instructions.

This Telegram may contain delay if the address does not contain the name of a Telegraph Delivery Office, or, if for London, the name or initials of the district. If addressed to a Telegraphic address in London, the "indicated" word, for the transmission of which no charge is made, should be included.

TO MINISTRY OF HEALTH - WHITEHALL - LONDON

DESPITE SEVERE INFLUENZA EPIDEMIC THERE IS NOT ONE
ABSENTEE FROM EXTENSIVE BEMAX OFFICE AND FACTORY STAFFS
ALL TAKE BEMAX REGULARLY BEMAX PROVING INVALUABLE IN
GIVING RESISTANCE TO INFLUENZA AND OTHER COMMON ILLNESSES
FROM VITAMINS LTD

BUY BEMAX NOW ON BONUS TERMS

STANDARD TRADE TERMS BEMAX		
Prices to Public. P.A.T.A.	Per doz.	*6 dozen 1/6 size or equivalent
1/6	13/6	13/- per doz.
2/6	22/6	21/3 "
4/6	40/6	38/- "
20/- Hospital Size	15/- each	—
Carriage paid 6 dozen 1/6 or equivalent; original cases only, viz: 1/6 size and 2/6 size 1 and 3 dozen. 4/6 size 1/2 and 1 dozen. * Quantity assortment may be made up in the three sizes viz: 4/6 size equivalent to two 2/6 size, or four 1/6 size.		
BEMAX CHOCOLATE		
2d. Bars	In boxes of 3 doz.	per gr. Bars 16/-
6d. Cakes	1 doz.	per doz. Cakes 4/-
Carriage paid 1 gross 2d. bars or 4 dozen 6d. cakes.		

Bemax is in great demand, the Influenza epidemic having once more demonstrated the remarkable benefit to be derived from this Vitamin Tonic Food.

The BONUS now on offer (13 to the dozen) gives you 52% profit on cost on BEMAX and 62% profit on BEMAX VITAMIN CHOCOLATE on every order placed at standard terms.

ORDER NOW

FASSETT & JOHNSON LTD.

86 CLERKENWELL ROAD,
LONDON, E.C.1

DOES THIS INTEREST YOU?

THE DIRECTORS OF
ROBINSON & SONS, LTD.
CHESTERFIELD

extend to you a cordial invitation to visit Stands B.44 and B.63 at the British Industries Fair, Olympia, February 20th to March 4th, 1933, where there will be exhibited a collection of over three hundred original and modern designs suitable for Cardboard Boxes of all kinds.

This display will include designs by

MEMBERS OF THE ROYAL ACADEMY and other eminent Artists and will afford a unique opportunity for all those who are interested in the problems of applying Modern Art to the packages in which the Commodities of to-day are sold.

BUY

BRITISH



are better than ever.

6 and 8 oz.

N.H.I. 5^d. per gr.

Ordinary 8^{3d}. „

Fine 1/1¹/₂ „

Finest 1/8 „

10 gross carriage paid.

20 gross - - less 5%.

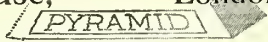
Less 5% cash with order.

Write for full Price List and Size Gauge

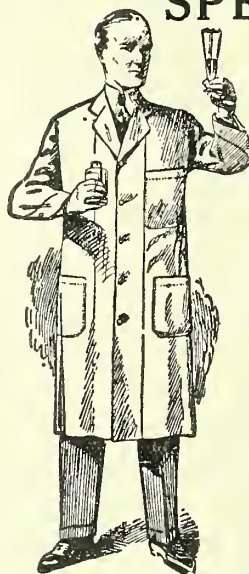
N. W. Mitchell & Snow, Ltd.

"The Cork Firm."

Limehouse, London, E. 14.



OVERALL SPECIALISTS



JACKETS, WHITE DRILL
4/6, 5/11, 7/11

„ KHAKI DRILL
8/6, 10/6

„ BLACK POPLIN
12/6

„ GREY 8/6

COATS (Long), KHAKI
5/11, 6/11, 8/6, 9/6, 11/6, 13/6

COATS (Long), GREY
7/6, 9/6, 11/6

„ (Long), BLACK
14/6

DENTISTS' COATS,
WHITE, STAND COLLAR,
BUTTON on SHOULDER
12/6, 14/6, 16/6

SURGEONS' OPERATING
COATS, WHITE 12/6, 14/6

Jackets and Coats of very superior quality. Made from most reliable materials. Stock sizes 34 to 44 chest. Special prices for large quantities. Postage on single garment, 6d. Orders for 20/- Post Free.

Telephone : Bishopsgate 6751

GARDINER

& CO. (The Scotch House). LTD.
1, 3, 5 Commercial Road, LONDON, E.1

1 minute from ALDGATE STATION.

*There is
always a space
on your shelves—if you stock*

BIRLEY'S ANTACID POWDER

*The World's Best Remedy for
INDIGESTION*

It sells as fast as you stock it!

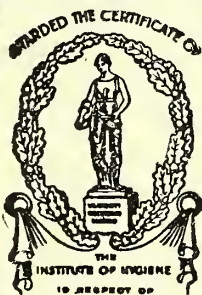
PROOFS

Sales have increased 300% in just over 3 years. The public have found that Birley's Antacid Powder does all that is claimed for it. Your Wholesaler has stocks for immediate delivery.

1/3, 3/- and 5/- tins (retail) at
11/6, 27/6 and 46/- (trade) per doz.

BIRLEY'S ANTACID LTD.

16 Northdown Street,
King's Cross, London, N.1



ENGLISH DRIED MILK

*Enquiries
are solicited for the
following:—*

Full Cream "Dorsella" Dried Milk
Half Cream

Separated "Paragon"

Casumen, Soluble Milk Proteid

Sweet Whey, Crystals or Powder

Kencream for Puppies

Unita (Dorsella and Casumen)

SUPPLIED IN BULK, TINS OR CARTONS

Quotations and samples on request

PRIDEAUX'S, LTD.

MOTCOMBE, SHAFTESBURY, DORSET

'Phone No.: Shaftesbury 4



YOUR CUSTOMERS can easily make

PURE BEER AT HOME

(The "Daily Express" says so)

FOR **1^D PER PINT** : **ALE OR STOUT**

(NO LICENCE IS NECESSARY)

FROM

VIGGORMALT

**THE PURE
TRIPLE-CONCENTRATED EXTRACT OF
RICH MALT & HOPS ONLY**

(NOTE THAT WORD "ONLY")

NO ADULTERATION OR ADDED COLOURING

Simply Add Cold Water

It will pay you to stock "Viggormalt," the one preparation for the making of pure Beer upon which you can stake your reputation. You can recommend "Viggormalt" with the knowledge that it contains no substitutes for Malt and Hops but only the real thing, exactly as stated on the tin. No sugar or other adulterant is added to make bulk and cheapen cost.

YEAST
SUPPLIED FREE
WITH EACH TIN

NO MILLING
MASHING
BOILING OR
FILTERING

Viggormalt is fully guaranteed by the manufacturers—hundreds of satisfied customers have written, entirely without solicitation, in highest praise. Copies of many of these testimonials are printed in the pamphlet enclosed with each tin; also in counter leaflets and other advertising matter.

FULL PARTICULARS OF TRADE TERMS AND ATTRACTIVE DISPLAY MATERIAL SUPPLIED IMMEDIATELY ON REQUEST TO THE VIGGORMALT DISTRIBUTORS:

FASSETT & JOHNSON, LTD.
86 CLERKENWELL ROAD, LONDON, E.C.1

Sole Manufacturers:

VIGGORMALT Ltd., Davigdor Road, Hove, Sussex

Best sellers

The public is asking
for **ZEAL**
CLINICAL
THERMOMETERS
because they are:-
**GUARANTEED TO
STAY ACCURATE
CONSISTENTLY
ADVERTISED**

Made by
ZEAL

*-the name the
public knows.*

G. H. ZEAL, LTD.,
75 & 77, St. John St., London, E.C.1.



"SURCO"

RELIABLE

ELASTIC HOSIERY

SEAMED & SEAMLESS

For special garments to
measure we maintain a 24
hour service.

:: BODY BELTS ::
TRUSSES :: SUNDRIES

Write for Catalogue.

SURGICAL HOSIERY CO., LTD.

Russell Street :: NOTTINGHAM

Telephone No.: 75903. Telegrams: SURGICAL, NOTTM.

**SOL-VO
SELLS ITSELF**



SOL-VO gives a
good margin of
profit to the Chemist
and is economical
for the customer be-
cause it contains
nearly three times
as much paper as
the "so-called" cheap
varieties. It pays to
stock and display
SOL-VO. Why not
give it a trial?

FORD, SHAPLAND & CO. Ltd.

GT. TURNSTILE, HIGH HOLBORN,
LONDON, W.C.1

Telephone: Holborn 4695.

SANITARY TOWELS



The ORIGINAL and Most Popular

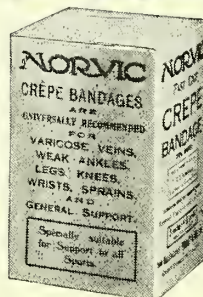
The "K." All wool in knitted cover,
very soft.

The "CELTEX." Made of Cellulose
for easy disposal.

FROM YOUR WHOLESALE HOUSE, PLEASE

SOUTHALLS

NORVIC Reg'd

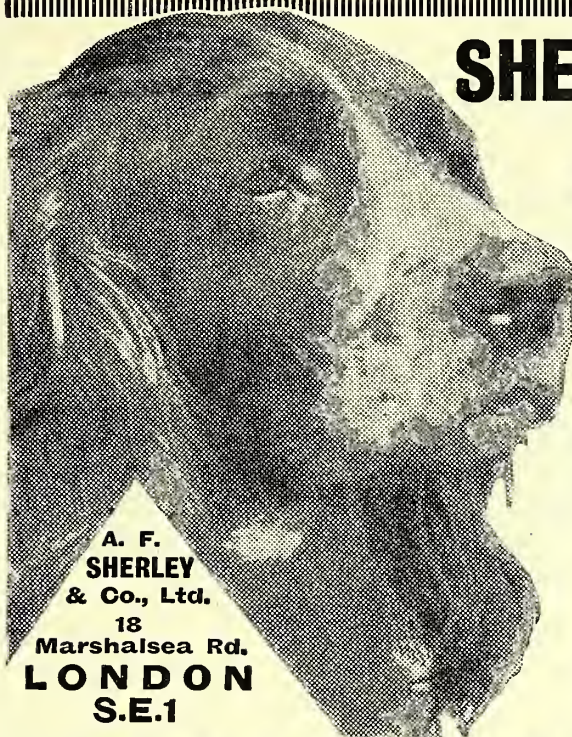


**BLUE CARTON
CRÊPE BANDAGES**

The Blue Carton, prominently
displayed in the window or on
the counter, will increase your
crêpe bandage sales enormously.
On P.A.T.A. list. Full 33 1/3 % profit.

Stocked by the leading Wholesalers.

Sole Manufacturers:
GROUT & CO., LTD.,
35 WOOD ST., LONDON, E.C.2



A. F.
SHERLEY
& Co., Ltd.
18
Marshalsea Rd.
LONDON
S.E.1

SHERLEY'S MEDICINES

ARE
The Best to Make Me Well
AND
The Best for You To Sell

SHERLEY'S Dog and Cat Medicines are renowned for their Purity, Safety, and Efficacy, and each product can be thoroughly relied upon for the purpose for which it is intended.

This Reputation, in conjunction with the forceful and extensive Advertising Campaign which is always in operation, makes Sherley's the best-selling Dog and Cat Specialities. You can stock and display them with confidence, for every sale will bring satisfaction and mean further and increased business for you.

Trade Profits are generous and all Sherley lines are supplied on terms which eliminate all risk of loss. Send a Postcard to-day for Full Particulars, Special Quantity and Window Display Terms, Show Material, etc.

SHERLEY'S DOG & CAT FOODS & MEDICINES



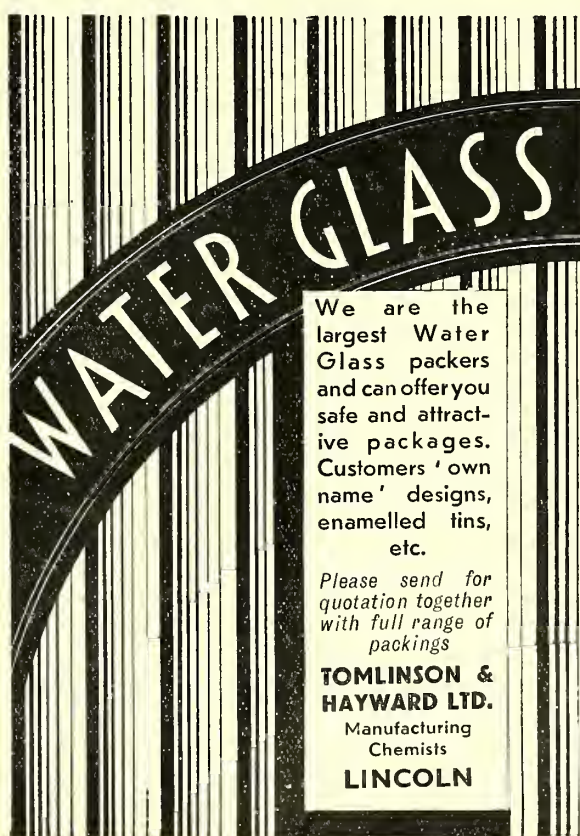
RATS cleaned out in ONE NIGHT

Rats are a menace to the health of the community. Exterminate them completely and speedily with Rodine which never fails.

A farmer in Middleham, Yorkshire, put down Rodine, and the following morning gathered over 100 dead rats.

Get Rodine on Best Terms from the Maker:—
T. HARLEY, M.P.S.,
Rodine Works, PERTH, Scotland

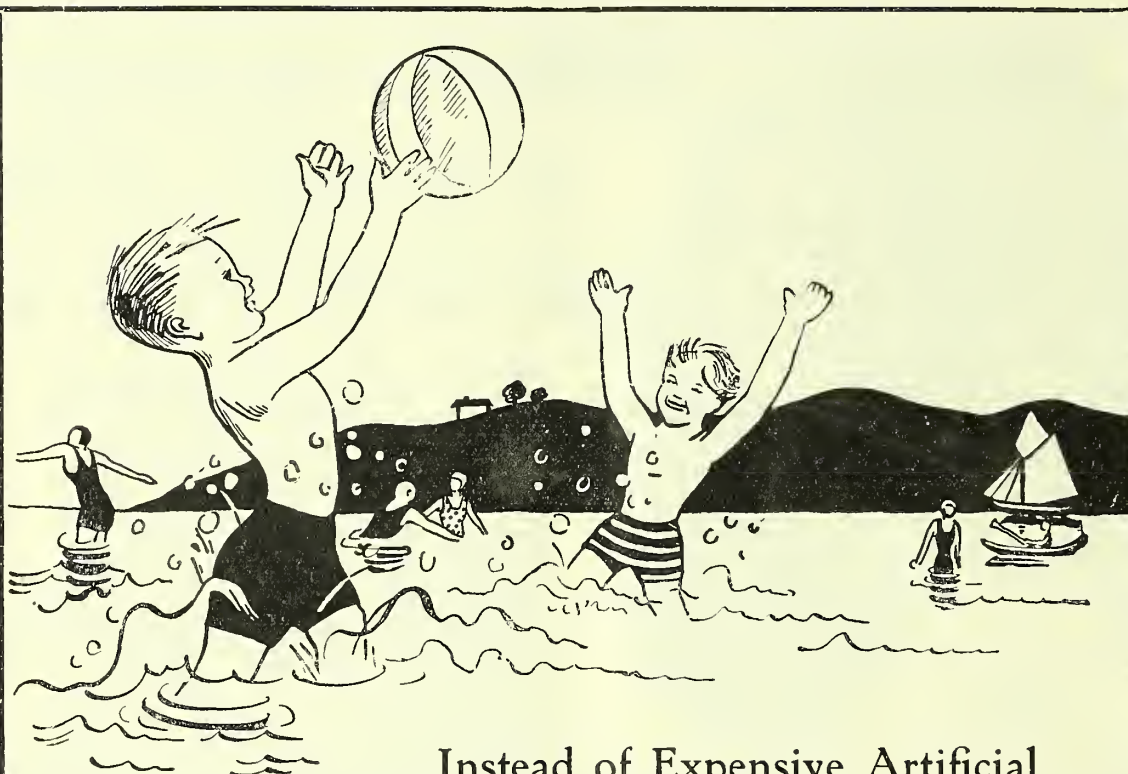
RODINE
THE RAPID RAT REMOVER



We are the largest Water Glass packers and can offer you safe and attractive packages. Customers 'own name' designs, enamelled tins, etc.

Please send for quotation together with full range of packings

TOMLINSON & HAYWARD LTD.
Manufacturing Chemists
LINCOLN



Instead of Expensive Artificial Foods use Norwegian Cod-Liver Oil.

The foundations of a strong constitution are laid in infancy. Proper nourishment during this period is therefore of vital importance. The body must be supplied with materials for ensuring vigorous health, sound bones and strong teeth.

The vitamins are essential.

Vitamin A protects the delicate tissues of the body against infection by microbes. It builds up healthy strength and a sound constitution. Vitamin D prevents rickets by ensuring the formation of strong bones. It will also cure rickets. It makes the teeth strong and lessens the danger of decay.

These vitamins occur most abundantly in Norwegian Cod-Liver Oil.



So highly do medical scientists value Norwegian cod-liver oil that they have called it "indispensable to mankind".

Norwegian Cod-Liver Oil

IS KNOWN ALL OVER THE WORLD FOR ITS HIGH QUALITY

BRITISH MADE PHENACETIN, B.P.

WE ARE PLEASED TO INFORM ALL USERS
OF PHENACETIN THAT WE ARE NOW
MANUFACTURING THIS PRODUCT AT
OUR WORKS AT RUABON NORTH WALES



ANOTHER
BRITISH MADE
FINE CHEMICAL

BUY BRITISH

MONSANTO

Enquiries to :

**MONSANTO
CHEMICAL WORKS LTD**
VICTORIA STATION HOUSE, VICTORIA ST., LONDON, S.W.1

WORKS:
RUABON
NORTH WALES
SOUTH DOCK
SUNDERLAND

TELEPHONE:
VICTORIA
1535

You want more Customers!

FREE

with
3 gross
assorted

SHOWCASE
AND
COUNTER
SERVER



FREE

with
1 gross
assorted

COMPOSITE
CARD
DISPLAYING
8 VARIETIES



FREE

with
6 gross
assorted

ELECTRIC
SIGN



*These Sales Aids
will bring them.
Let us help you to
develop your business*
**A BIG TURNOVER
CAN BE BUILT UP ON**

★
PACKED PILLS
3^d SERIES

with the assistance of our
comprehensive range of
special Sales Aids and Show
material—

Antibilious	Head and Stomach
Apiol and Steel	Indigestion
Back and Kidney	and Wind
Blood and Skin	Little Liver
Castor Oil	Liver Rousers
Celery	Liver and Stomach
Cochia	Neuralgia
Female	Quinine and Iron
Gout & Rheumatic	Rhubarb
Gregory	Steel & Pennyroyal
Hamilton's	Vegetable Liver

★
18/- per GROSS
16/6 5 GROSS
15/- 10 GROSS

**PROFIT
100%**

Arthur H. Cox & Co. LTD., BRIGHTON

Established 1839

Original Makers of Tasteless Pills



The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

FEBRUARY 4, 1933

28 ESSEX STREET, LONDON, W.C.2

ADVERTISEMENT TARIFF

ALL ADVERTISEMENTS are PREPAID, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

BUSINESSES WANTED and for **DISPOSAL, PREMISES TO LET** and for **SALE, PREMISES WANTED, PARTNERSHIPS, GOODS** for **SALE** and **AGENCIES**—6/- for 50 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d. (Box No., 1/- extra.)

LEGAL NOTICES, TENDERS, AUCTIONS, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column). (Box No., 1/- extra.)

MISCELLANEOUS (Wholesalers' Section) for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less. (Box No., 1/- extra.)

EXCHANGE COLUMN (for Retailers, etc.)—Twopence per word, minimum 2/- (Box No., 1/- extra.)

THE CHEMIST & DRUGGIST, 28 Essex St., Strand, London, W.C.2
Telephone: Central 6565 (8 lines). Telegrams: "Chemicus, Estrand, London."

CLOSING FOR PRESS.

must reach us
not later than

FIRST POST THURSDAY MORNING

All advertisements intended for
insertion in this Supplement

ORRIDGE & CO.

56 LUDGATE HILL, E.C.4

ESTABLISHED 1846

Telephone No.: CITY 2283

May be CONSULTED at their Offices on MATTERS of SALE, PURCHASE & VALUATION

We make no charge to purchasers, and invite intending buyers to communicate with us, stating their requirements.

1.—**EARLS COURT** (near).—Very good-class business with Photographic; established three years ago by vendor; returns last year approached £2,000; single-fronted shop; excellent mahogany fittings; good, clean stock; flat over at present sub-let, but can be obtained if required; stock and fixtures estimated to be worth £900; first reasonable offer will be accepted; possibly part could remain.

2.—**TOTTENHAM**.—General Retail business with N.H.I. recently started; returns at present about £30 per week, increasing; double-fronted corner shop in main road; rent £120 per annum; sub-let £97 10s., this leaves small living accommodation; price about £850 or valuation terms entertained.

3.—**NORTH LONDON**.—Good middle-class business with Kodak Agency, N.H.I. and Optics, about £100 per annum; fairly old established; returns approximately £2,500; scope for large increase in Optics; chartered accountant's figures; double-fronted shop in main road; held on lease at £150 per annum; sub-let 25s. weekly; price £2,200 or valuation terms entertained; this is a thoroughly genuine business and worth attention.

4.—**SURREY**.—Middle-class business in growing neighbourhood; returns first year approached £1,500 under management; scope for increase in hands of an energetic man; attractive double-fronted shop in main road; stock and fixtures estimated to be worth approximately £560; good living accommodation, bath-room, garden, back entrance; room for garage; new lease; valuation terms entertained; stock would be reduced if required.

5.—**CITY PHARMACY** for disposal; returns under management £1,736, previously over £2,000; scope for increase under personal supervision; gross profit 43 per cent.; attractively fitted shop, well stocked; vendor estimates stock and fixtures to be worth £1,100 and will sell for this figure; rent £200 per annum inclusive of rates; held on renewable lease; Optical department recently added.

6.—**ESSEX**.—Good middle-class business situated in main road of rapidly developing suburb; returns last year, under management, £1,720; scope for increase; pleasant surroundings, healthy locality; lock-up shop; vendor would reduce the stock if required; fixtures worth about £250; new lease will be granted at £90; terms, valuation of stock and fixtures plus an agreed sum for goodwill.

7.—**WIMBLEDON**.—Drug Store for disposal; returns approximately £1,000; single-fronted lock-up shop; rent £60; 14 years' lease; scope for increase; price £350 for goodwill and fixtures plus stock at valuation, about £170.

8.—**WALES**.—General Retail and Dispensing Business, with Wines and Spirits and Seeds, &c.; very old established; returns £3,400; good living accommodation, with bathroom and garage; vendor owns part of the premises and wishes to dispose of same; terms, value of stock and fixtures only, about £1,550.

9.—**SUSSEX HEALTH RESORT**.—Light Retail and Dispensing Business; Kodak Agency; no N.H.I. at present; established 1919; returns 1932 £1,337; net profit £317; stock and fixtures worth about £650; lock-up shop; rent £45; held on lease; price £850 or near offer.

10.—**MIDLANDS**.—Cash Retail Business, with N.H.I. and Kodak Agency; returns present rate about £30 per week under new manager; last year £1,806; double-fronted shop with modern windows; stock and fittings worth about £850; large six-roomed house; rent £46; held on lease; vendor is desirous of selling forthwith and will accept a reasonable offer.

11.—**NORFOLK**.—Mixed Country Business, with Photographic, conducted as Drug Store; returns 1931 £931; good living accommodation, with private entrance and garage; good garden and outbuildings; price of business £700 and property £450.

12.—**EASTERN COUNTY**.—Good-class Dispensing and General Retail Business; established many years; returns £3,400; stock and fixtures about £1,600; six-roomed house; rent £225; long lease; good main road position; terms, value of stock and fixtures plus an agreed sum for goodwill.

13.—**BIRMINGHAM** (Near).—Light Retail and Dispensing Business; no Optics; Kodak Agency and Medicated Wine Licence; returns last year over £1,800; chartered accountant's figures; comfortable living accommodation; new lease at £80, or property can be purchased; price £1,250, for which good value is offered.

14.—**S.W. OF ENGLAND**.—General Retail and Dispensing Business; established two years; returns £2,300, increasing; stock and fixtures worth about £1,500; long lease; ill-health cause of sale; offers invited.

Chemists' Transfers, Valuations for Sale, Stocktaking & Probate

Special Terms for Income Tax Valuations and Preparation of Accounts by Qualified Accountants.

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Chemists, Valuers and General Agents

1.—SURREY.—Good-class Retail and Dispensing Business; in good residential town; present returns £40 weekly, with scope for increase; very handsomely fitted pharmacy; good house attached; on long lease; valuation terms arranged; references required.

2.—SUSSEX (easy reach of coast).—Light Cash Retail and Dispensing Business; returns last year over £1,300; net profit £250; audited figures; good house; long lease; price, bare valuation of stock and fixtures, about £600.

3.—EASTERN COUNTY.—Light Middle-class Cash Retail; in large town; returns over £1,550, good profits; low rent; lock-up shop, nicely fitted and well stocked; price £800.

4.—BERKS.—Light Country Retail Business; pleasantly situated; returns over £900; scope for increase; modern pharmacy; with good house and garden; price £100, plus valuation of stock and fixtures, in all about £600.

5.—WEST MIDDLESEX.—Newly-established business, with Post Office attached; returns £12 to £14 weekly, increasing; excellent prospects; no near opposition; large modern-fitted shop and sight-testing room; price £375 or offer.

6.—CHESHIRE.—Good-class Semi-country Business, with Optics; returns £1,725; net profit £395; stock and fixtures worth approx. £900; illness necessitates early sale; price £1,100, or £875 without Optics.

7.—LIVERPOOL.—Light Cash Suburban Business, returning under manager £1,450; gross profit £550; splendid position on new housing estate; scope for increase; modern fitted pharmacy, well stocked; long lease; price about £700.

8.—ESSEX (Near Coast).—Well-established Mixed Chemist's Business; good Photo connection; returns over £2,100; books audited; low rent; on lease; good position; price £1,250.

9.—BOURNEMOUTH (near).—Cash Drug and Photographic Store in main road position; present returns £12 to £15 weekly, £25 to £27 in summer; lock-up shop; low rent, long lease; price £500.

10.—LONDON (Essex Suburb).—Sound Working-class Cash Retail Business; present returns average over £20 a week; rent only £36; long lease; comfortable house; price £500, or £225 and stock at valuation.

Special Notice.

BUSINESSES WANTED.

Having successfully negotiated the sale of several businesses lately, we are urgently in need of sound concerns in all parts, and particularly in LONDON SUBURBS, HOME COUNTIES, SOUTH COAST, MIDLANDS and WEST OF ENGLAND where a net profit around £500 a year can be shown; we have a large number of genuine cash buyers waiting to be suited and are able to effect quick sales without publicity. Correspondence cordially invited from intending Vendors which will be treated in the strictest confidence.

VALUATIONS FOR SALE. PROBATE & STOCKTAKING PERSONALLY CONDUCTED BY PRINCIPALS.
SPECIAL LOW RATES FOR STOCKTAKING AND PROBATE.

Ernest J. George

 Sentinel House, Southampton Row, W.C.1 Telephone: Holborn 9200
 Tudor House, Walsall Telephone: Walsall 3774
 Teleg.: "Earnest, Walsall"

Prospective purchasers of businesses (all descriptions) are invited to communicate with the full assurance that all confidences will be strictly observed. Service and Assistance rendered without obligation or expense.

The following businesses have in the main been visited, and are recommended to appropriate would-be purchasers.

(C1) NOTTINGHAM.—Good retail and dispensing business (lock-up), with excellent potentialities; present returns average between £35 and £40 per week, having shown steady and consistent increase during the past six months; premises occupy prominent position in busy thoroughfare; the opportunity is an excellent one for a chemist with enterprise and initiative; stock and fixtures recently valued, total approximately £900, and for a quick sale an all-in figure of £1,000 will be accepted; reasons for disposal are quite genuine.

(C2) CARDIFF.—EXCEPTIONAL OPPORTUNITY. — Attractive modern pharmacy, with excellent living accommodation, can be purchased on very reasonable terms; owner prepared to consider a part-payment arrangement under approved circumstances; turnover for 1931 financial year upwards of £2,000; small optical connection, which should be capable of considerable development; no near opposition; premises situated in good-class residential district; Chemists contemplating the purchase of a business in this area are strongly advised to write, in confidence, for full details, which will be disclosed to genuine prospective purchasers; the business has been personally visited and is well recommended.

(C3) KENSINGTON (NEAR).—Good-class retail business with small modern flat above; turnover approximately £2,000 per annum; no near opposition; exceptional connection in photographic trade and good class private dispensing; purchase price approximately £1,150; owner is prepared to consider retaining an interest in the business under approved conditions, or will sell outright.

(C4) WILTSHIRE.—Good profit-earning business, doing approximately £2,200 per annum; net profits as per audited accounts for last financial year upwards of £450; rent and rates approximately £65 yearly; a private house is available near to the business if required; every facility available for investigation, including audited accounts.

(C5) SOUTH WALES.—Two pharmacies, both containing living accommodation, are available for disposal privately, either jointly or separately; the present returns of the businesses average approximately £33 and £37 weekly, and the rentals are £130 and £100 per annum respectively; both businesses are well situated and one pharmacy in particular is extremely well fitted and very attractive. Further particulars will be forwarded in strict confidence to genuine prospective purchasers.

(C6) BIRMINGHAM.—Old-established pharmacy, with plenty of scope for increase under personal proprietorship; returns for 1931-32 financial year, £1,730; high percentage gross profits; living accommodation available, not at present being used for residential purposes;

rent £90 per annum; purchase price asked, goodwill £300, plus value of stock and fixtures; good reasons for selling.

(C7) BOURNEMOUTH.—Attractive modern pharmacy, with good self-contained flat; returns for last six months average approximately £23 weekly, and are showing steady increase; further particulars will be forwarded to genuine likely purchasers upon application.

(C8) LONDON, S.E.—Established medium-class business (lock-up), nicely fitted, and offering good opportunities for development under personal proprietorship; rent, inclusive of rates, £39 per annum; present returns approximately £20 weekly; purchase price asked, goodwill £50, plus value of stock and fixtures.

(C9) NORTH CHESHIRE.—Old-established pharmacy for disposal owing to contemplated retirement; present returns upwards of £1,700 per annum, with net profits approximately £400; rent, £70, less sub-let, £30; living accommodation available; good scope for increase with more modernised methods; reasonable purchase price.

(C10) SUFFOLK COAST.—Unopposed business with living accommodation, for disposal together with freehold property, at a reasonable figure; present returns approximately £1,200 per annum, with genuine scope for increase if full possibilities are exploited; the business has recently been valued, and authentic figures are therefore available as a basis for negotiation; net profits for last financial year approximately £350. Further particulars will be forwarded in strict confidence to bona fide applicants.

(C11) LONDON, S.E.—Pharmacy (lock-up) centrally situated, near to leading railway termini; valuable connection with medical students, etc.; returns average upwards of £26 weekly; rent, inclusive of rates, £58 per annum; good reasons for disposal; purchase price £650, or near offer, including stock approximately £400.

(C12) SUSSEX COAST.—Old-established retail business for disposal owing to recent death of proprietor; turnover for last financial year approximately £1,200, but there should be undoubted scope for increase under new energetic ownership; living accommodation; rent, £65 per annum; purchase price £950.

(C13) BLACKPOOL (NEAR).—Pharmacy with good living accommodation for disposal owing to domestic circumstances; average returns approximately £1,200 per annum, with good scope for further increase; no near opposition; reasonable rental and purchase price; this business has been personally visited and is well recommended.

(C14) SHROPSHIRE.—Drug store, with small house, suitable for one or two persons; inclusive rental £45 10s. per annum; present returns approximately £10 weekly; purchase price (all-in), £300; scope for development.

COMPREHENSIVE VALUATION SERVICE FOR ALL REQUIREMENTS.

S. F. CLARK, F.N.A.A. 'Phone: Prospect 3366

CHEMISTS' VALUER & TRANSFER AGENT

34 Marksbury Avenue, Richmond, Surrey

Personally conducts **VALUATIONS** for all purposes, also **STOCK-TAKING**, in all parts of the British Isles, upon lowest terms, **BUSINESSES** (all districts) available.

Enquiries invited.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

CITY OF LONDON.—Busy corner site; rent £175-£200; takings £1,200; now being conducted under manager, but takings easily capable of being doubled under live owner-manager; Kodak agency, good film trade in summer; well-fitted; ample storage; over 3,000 people pass hourly; hours 9-6.30, Saturdays 1.30, no Sundays; Price £500, s.a.v. 362/38, Office of this Paper.

ESSEX.—Rapidly developing main thoroughfare, corner position, large Pharmacy, magnificently fitted in oak at a cost of £500; established 4 years; lease 17 years to run; at present under management; turnover can be more than doubled by private enterprise; stock about £150; accept £400 all at, or nearest offer. 363/2, Office of this Paper.

HERTFORDSHIRE.—15 miles London. Small Drug Stores for sale, with living accommodation, in well-populated district; scope for increase; opportunity for Pharmacist with small capital; rent and rates approximately 28/6 weekly; price only £60, including fittings; small stock at valuation; health reasons for disposal. 215/714, Office of this Paper.

ILFORD.—Rapidly developing main thoroughfare; corner position; large Lock-up Pharmacy; magnificently fitted at a cost of £750; established 2 years; long lease; audited accounts; returns under management £1,600; can be doubled by private energetic owner; Kodak Agency; will accept value of stock only, about £400; must be sold to close estate. Apply Percy E. Slack, Incorporated Accountant, 44 Bedford Row, London, W.C.1.

LONDON, West.—£550, showing a profit of £6 per week after paying all expenses except salary; lock-up shop; rent £55; large photo and toilet trade; takings average £25 per week; urgent sale desired as occupier has taken new business; special low price, fixtures, fittings, etc., £200; stock at value, about £350; can be reduced. 362/9, Office of this Paper.

SOUTHPORT.—In rapidly developing area, fully equipped Pharmacy for sale as going concern; value stock and fixtures £300 (approx.); accept £150 quick disposal; opportunity young chemist to commence own account. Order to view and particulars, apply Ellis & Sons, 459 Lord Street. (Tel.: 5195.)

SUNDERLAND.—Chemist's Business for sale; good opportunity for live man; satisfactory reason for selling; no agents. 363/27, Office of this Paper.

A SEASIDE Chemist's Business for sale that will give purchaser £4 a week after paying rent and rates for house and shop; takings increasing; commodious house; stock £220 or at valuation; fittings £100; the chemist who owns the property would accept small sum for goodwill to secure good tenant; replies sent only to those giving references; all information strictly confidential. 364/5, Office of this Paper.

AN opportunity to a Pharmacist with capital to secure a sound middle-class business, situated in progressive Kent coast resort, showing a net profit of £8-£10 per week; Kodak; N.H.I.; turnover £1,400; purchase price £1,850 includes freehold property. 362/19, Office of this Paper.

BUSINESS situated in growing town in Midlands, established over fifty years, for sale, owing to decease of owner. Monthly turnover taken on average £30 under present neglected management; could be substantially increased under personal supervision; books open for inspection; price £1,350; bona fide applicants only considered with bankers' references. 216/715, Office of this Paper.

ESTABLISHED 11 years; Drug, Photographic Stores, under unqualified management; in principal shopping thoroughfare; low rental; good fixtures; nicely stocked; excellent scope for qualified man; £600, or nearest cash offer to effect early sale; books audited; situated in Middlesex; easy access to Town. 364/15, Office of this Paper.

LEASE WORTH THE MONEY.—Drug Stores, with good Side Lines; lock-up; one room and garden; main road; rent £52; taking £12 to £14 weekly; excellent scope for increase; growing neighbourhood; without opposition; exceptional opportunity for qualified Chemist; £260 a.a., including clean stock. "T," 7 Whitehall Road, Thornton Heath, Surrey.

PROFIT AND PLEASURE.—St. Osyth Beach, Clacton-on-Sea; Beach Hut-Shop for Sale, including sole rights Photographic, Toilet and Medicines; increasing turnover; low ground rent. J. A. Green, St. Osyth, Clacton-on-Sea.

The ASSOCIATION of MANUFACTURING CHEMISTS,

LIMITED

(Business Agency, Transfer & Valuation Department)

KIMBERLEY HOUSE, and at EXCHANGE CHAMBERS, Holborn Viaduct, LONDON, E.C.1 2 Bixteth St., LIVERPOOL

PARKIN S. BOOTH, Valuer. Tele.: CITY 1261-2-3-4.

VALUATIONS. SALES of BUSINESSES. STOCKTAKINGS.

Enquiries Invited.

£1000 in War Bonds realise £35; £1,000 invested in this Well-established Cheshire Business should add £200 to £300 to your income; ill-health compels me to sell my pleasant business; gross profit £700; large village, with growing residential population; customers a pleasure to serve; nett price £950; easily worked. Apply 363/38, Office of this Paper.

BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

MANCHESTER.—Chemist Business or Drug Store required in thickly-populated working-class district; cash transaction. Statim, 364/32, Office of this Paper.

ADVERTISER desires to purchase for cash a Sound, Well-established Business, with an annual turnover of £5,000-£10,000 and showing a proportionate net profit. This is a genuine enquiry by a private pharmacist, and all information will be treated in confidence. Replies to "Chemist," c/o Thomas Brittain & Co., Chartered Accountants, 23 Colmore Row, Birmingham.

GENTLEMAN, with capital, having recently disposed of own business, wishes to purchase High-class Dispensing Business showing turnover of £7,000 to £10,000; would accept temporary partnership in larger concern, providing a minimum net income of £1,000 can be secured. Replies will be treated with strictest confidence. No agents. 362/20, Office of this Paper.

WANTED, by private chemist, good-class Business anywhere Midlands or South; turnover not less than £3,750; no optics; cash available £4,500; generous goodwill paid for business of such dimensions with figures verified by chartered accountant; particulars treated quite confidentially; advertiser can visit at once. 362/10, Office of this Paper.

WANTED, Chemist's Business, good working-class neighbourhood; neglected business would suit; no fancy prices; must bear every investigation and show scope for increase; Midlands preferred. W. Shaw, "Ellswyn," Richmond Avenue, Hanley Road, Sneyd Green, Stoke-on-Trent.

WANTED, Sound established Chemist's Business (£800-£1,250 per annum); South Country preferred, inland; convenient living accommodation essential; moderate rental, or would purchase freehold property if reasonable; full cash payment immediately; no agents. Oglesby, 26 Lannoweth Road, Penzance.

PREMISES TO LET.

BULL RING, GRIMSBY.—To let, Shop, fitted in oak, for Chemist; no stock; lately carried on as Drug Store; good opening for N.H.I., Optics and Tobacco. Over 6,000 orders for D. and P. handed in this last summer; old lease will be transferred or new one granted; fixtures may be rented or bought. Apply to Owner, G. D. Atkinson, The Bon Ton, Old Market Place, Grimsby. Tel. No.: 2227.

NO PREMIUM.—Commanding Shop to Let in busy trading centre at Norbury; frontage 22 ft.; very suitable for Chemist; excellent self-contained flat over and space for garage; modern shop front installed; rent £140 per annum. Wates, Ltd., 668 High Road, Streatham. 'Phone: Pollards 2232.

PREMISES FOR SALE.

LEEK, NORTH STAFFORDSHIRE.—Corner central business shop and premises, with 40-ft. frontage, for sale or lease, with immediate possession, as proprietor retiring; suitable for Chemist. Apply Challinors & Shaw, 10 Derby Street, Leek.

DOCTOR has large shop attached to his surgery which would offer excellent scope for good-class Pharmacist; situated in best and busiest part of Mile End Road, E.; good introduction. 364/13, Office of this Paper.

PARTNERSHIP.

£1000 required for one-third share in Mail Order Business specialising in two lines of Hair Lotions; excellent prospects. 361/25, Office of this Paper.

AGENCY FOR DENMARK WANTED

Well-known wholesaler with national selling organisation is open for profitable specialty product (patent medicine, toilet preparations, technical products, etc.) 216/720, Office of this Paper

AGENCIES.

LONDON OFFICE.—Large Australian Firm, willing undertake further Representation; purchase export chemicals, drugs, scientific material; wide experience; wholesale only. Apply 361/20, Office of this Paper.

APARTMENTS.

WHEN YOU COME TO LONDON STAY AT THE HAMPDEN RESIDENTIAL CLUB.

FOR GENTLEMEN. Hampden Street, N.W.1. Close to King's Cross and Euston. 300 bedrooms. 12s. 6d. to 25s. per week, including baths, attendance and boot cleaning. All meals à la carte in dining room. Moderate tariff. Large Club Rooms, Library, Billiards Room, Reading Room and Study for Students. Illustrated Prospectus from Secretary. Museum 3424.

LEGAL NOTICE.

IN THE HIGH COURT OF JUSTICE
CHANCERY DIVISION
MR. JUSTICE LUXMOORE.

1933 B. 03.

IN THE MATTER OF THE BRITISH ORGANO-THERAPY CO., LTD.,
—and—

IN THE MATTER OF THE COMPANIES ACT, 1929.

NOTICE is hereby given that a Petition for confirming reduction of the Capital of the above Company from £22,000 to £1,100 the Capital of the Company being in excess of its requirements was on the 3rd January 1933 presented to the High Court of Justice and is now pending. And that by an order dated 24th January 1933 an enquiry was directed as to debts claims and liabilities of the Company as on the said 24th January 1933. A list of the persons admitted to have been creditors of the Company on the said 24th January 1933 (the date fixed by the Order dated 24th January 1933) may be inspected at the Offices of the Company at 22 Golden Square, Regent Street, W.1, at any time during usual business hours on payment of the charge of 1s. Any person who claims to have been on the last-mentioned day and still to be a creditor of the Company in respect of any such debt claim or liability and who is not entered on the said list and claims to be so entered must on or before 18th February 1933 send in his name and address and the particulars of his claim and the name and address of his Solicitor (if any) to Walter Austin Zabell a member of the firm of Zabell & Co. at 11 Queen Victoria Street, London, E.C.4 or in default thereof he will be precluded from objecting to the proposed reduction of Capital.

Dated this 24th day of January, 1933.

ZABELL & CO.,
Solicitors for the said Company.

SALES BY AUCTION.

BRONZE Mortar, weight 50 lbs., with effigy of

Charles II, letters "C.R.," dated 1664, will be Sold by Auction at Christie's on February 16 at 1 p.m.

Removed from Twickenham for Convenience of Sale.
SALE ROOMS, 5 LITTLE BRITAIN (close to G.P.O.),
LONDON, E.C.1.

PRACTICALLY new range of **CHEMIST'S SHOP** FITTINGS, 10-ft. Drug Run, Wall Showcases, glass-fronted and other counters, Silent Salesmen, Mirrors, Cash Tills, Office Furniture, Typewriters, Chairs, &c.

B. NORMAN & SON

Will Sell by Auction, as above,

Wednesday Next at One.

View day prior. Catalogues on application.

APPRENTICES.

YOUNG Lady, passed Part I, desires transference Apprenticeship for one year; alternatively, Full Apprenticeship two years; experienced, N.H.I. dispensing, and counter. Earl, 6 Eveline Road, Mitcham, Surrey.

YOUNG Lady (21), wishing take Hall Certificate, seeks Apprenticeship high-class Pharmacy; knowledge Dispensing; 2 years' general experience. 362/24, Office of this Paper.

APPOINTMENT.

COUNTY COUNCIL OF MIDDLESEX
CENTRAL MIDDLESEX COUNTY HOSPITAL
ASSISTANT DISPENSER

THE County Council invites applications for the post of ASSISTANT DISPENSER (Non-resident) at the Central Middlesex County Hospital, Willesden, at a salary of £200 per annum rising by annual increments of £5 to £225 per annum. In view of the National situation a temporary abatement calculated on the following scale is applied to the salary:—For the first £150 per annum, no abatement; for the next £100 per annum, 2½ per cent. abatement.

Candidates must be Graduates in Pharmacy of a recognised University, or hold one of the qualifications of the Pharmaceutical Society of Great Britain. The Officer appointed will be required to devote whole time to the duties of the post, to contribute to the County Council's Superannuation Fund, and for the latter purpose to pass such medical examination as the County Council may direct. The appointment will be during the pleasure of the County Council and terminable by one month's notice on either side.

Applications, stating (1) name, (2) age, (3) qualifications and experience, accompanied by copies of not more than three recent testimonials, must be received by the undersigned not later than 18th February. No special application forms are provided. Envelopes must be endorsed "Assistant Dispenser." Canvassing directly or indirectly will be a disqualification. (C.D/12)

ERNEST S. W. HART,

Clerk of the County Council.

Middlesex Guildhall,
Westminster, S.W.1.
31st January, 1933.

SITUATIONS OPEN.**RETAIL (HOME).**

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid. (Box No., 1s. extra.)

BIRMINGHAM.—Qualified Assistant shortly required (male), with good personality and address; age about 30; able to take charge; give full particulars (photo); only those with all-round general experience need apply. 362/21, Office of this Paper.

DURHAM CO.—Wanted, Manager for branch in Working-class district; opening for Optics, with participation in profits; permanency. Write full particulars, stating age and salary required, Hays, Ltd., Ryhope, near Sunderland.

FARNWORTH & Kearsley Industrial Co-operative Society, Ltd., Farnworth, Lancs., require the services of a fully qualified Chemist (M.P.S.) for their new Drug and Dispensing Department; applications, stating qualifications, experience, wages required, and enclosing copies of references, to be sent in to the Secretary, not later than February 22, endorsed Chemist.

LONDON, S.E.—Branch Manager required; qualified. Please state age, experience, salary required, to P.C.B. 63/19, Office of this Paper.

LONDON, S.E.1.—Required at once Unqualified Assistant, experienced dispenser (N.H.I.); good counterman, etc.; particulars of age, salary, &c.; applications not answered in 5 days respectfully declined. 362/40, Office of this Paper.

LONDON, S.E.—Required at once, young qualified (male) Assistant, about 25, for brisk counter and dispensing business; reply stating age, experience, and salary required to 362/11, Office of this Paper.

MANCHESTER.—Unqualified Assistant required (35 to 40); experienced in all branches, with knowledge of Optics preferred. State full particulars and wages required. Applicants not answered in seven days respectfully declined. Aspirin, 364/320, Office of this Paper.

NEAR London.—Junior Assistant, male, required for dispensing and family business; state full particulars and salary required in first letter. 364/19, Office of this Paper.

AN opportunity occurs for a smart Qualified Man with a capital of £200-£300 to join an established and progressive company; the man required must be young, about 25, aggressive, adaptable, and capable of taking control and possessing outstanding merchandising ability; preferably a Boots trained man; particulars only at interview. Apply 364/22, Office of this Paper.

CHEMIST-OPTICIAN (J.C.Q.O.) wanted; one with abilities and not afraid of work; chemist's qualification not essential; good berth for a reliable man; full particulars in first letter to Surrey, 363/32, Office of this Paper.

J. THOMAS & SON, Chemists, Rochdale, require Qualified Assistant; also Unqualified Lady Assistant, who must specialise in Window Dressing. State full particulars, age, height, salary and experience, enclosing photograph, to Edward Thomas, Wyresdale, Fieldhead Avenue, Bury Road, Rochdale.

LADY Assistant required immediately; Hall qualification; experienced in dispensing and able to assist at counter when necessary. Apply first by letter, stating age, references, etc., and salary, C. H. Loxley, chemist, 178 Northcote Road, Wandsworth Common, S.W.11.

MANAGER, fully qualified (male), 30 to 35, required for busy Working-class District; N.H.I.; good Dispenser; previous experience essential; Yorkshireman preferred. Apply, giving full particulars, references and photograph, to W. H. Hammond (Chemists), Ltd., Caroline Street, Hull.

MESSRS. JOHNSTON'S (Cash Chemists) wish to thank the numerous ladies and gentlemen who applied for the recent vacant post and to state that the post is now filled.

PART-TIME Assistant required five or six evenings a week, after 5 o'clock to 8 p.m.; Saturdays 9 p.m.; counter, stock and dispense; qualified or experienced; Male; shop centrally situated; near City, south side; please state terms and references to "Omega," 364/24, Office of this Paper.

QUALIFIED Assistant, elderly, to manage small Country Business in Shropshire; with knowledge of Photography preferred. Apply, stating age, experience and salary required (live out), L. S., 84 Westbourne Grove, London, W.2.

QUALIFIED Assistant as Superintendent for about 6 or 8 weeks; easy post; elderly would suit; moderate salary; please state salary required. Applicants not answered in 7 days respectfully declined. "Chemist," 17 Nelson Crescent, Ramsgate.

QUALIFIED Man required as Manager for small branch; London, E.; please send full particulars, copies of references and state salary expected to 363/9, Office of this Paper.

QUALIFIED Lady or Locum; particulars and references to Snowdon, Chemist, Spennymoor.

REQUIRED immediately Junior Assistant experienced all branches, for good-class business near London; state usual particulars and salary required. 363/21, Office of this Paper.

REQUIRED Qualified Man, middle age, to work up small business; one used to prescribing and dispensing, and good salesman; must have very reliable references. Apply 364/6, Office of this Paper.

REQUIRED young qualified Assistant for N.W. London, accustomed to high-class dispensing business; salary £4 per week; send full particulars; applications not answered within four days respectfully declined. 362/29, Office of this Paper.

WANTED immediately, Junior Assistants, unqualified; Dispensing, Counter experience, &c.; capable of taking relief. State age and wage expected. Bowerman, Cash Chemists, Ltd., 307 Heathway, Dagenham, Essex.

YOUNG Lady, experienced, for Chemist's Toilet Counter; must be good Window Dresser; Central London. Write, giving full particulars of experience and salary required, to "A," 216/721, Office of this Paper.

WHOLESALE.

MIDLANDS, Lancashire and Yorkshire.—Representatives wanted with good connection amongst retail and wholesale chemists; salary and commission and good prospects for right men; give full details, age, etc. 216/718, Office of this Paper.

NORTH-COUNTRY house marketing a range of nationally advertised products requires the services of a qualified Chemist, to buy and test drugs, supervise production, etc. Applicants should state age, qualifications, experience and salary required to 216/716, Office of this Paper.

A FIRM of Manufacturing Chemists in Lancashire have a Vacancy for an Analytical Chemist; must be Qualified Pharmacist, and preference will be given to one holding a University degree; applicants should not be over 30 years of age, and should state qualifications, experience, age and salary asked. A copy of photograph should also be enclosed. Apply to 215/713, Office of this Paper.

EXPERIENCED Tablet Maker required; must have expert knowledge of this branch of the trade. State experience, age and desired remuneration, Cupal, Ltd., Manufacturing Chemists, Blackburn.

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REPRESENTATIVES for "Mori" and other Medical Rubber Goods required for Kent, Surrey, Sussex, Hants District and Yorkshire District. Energetic men with good connection and car should write to Kaydor, Ltd., 109 Charlotte Street, W.1.

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A.A.A.—QUALIFIED (23); smart and energetic; desires post as Manager or Assistant; first-class experience; excellent testimonials; free immediately. Freedman, 31 Francis Street, Leeds.

A.A.A.—QUALIFIED (28); excellent experience in all branches. 3 St. James' Mansions, West End Lane, N.W.6. Mus. 3770.

A.A.—QUALIFIED Manager (38) of proved ability; highly successful Prescriber and business builder; seeks responsible position London suburbs; thoroughly conscientious; quick and capable, with good personality; experienced all branches modern Pharmacy; sole charge; keen salesman. 363-26, Office of this Paper.

A.A.—LOCUM or permanency (full or part-time); Dispensing, Counter, Windows, Photography. "H., 3 Cancell Road, S.W.9.

A.—QUALIFIED Lady; experienced Hospital, City and Suburban Retail; desires post; excellent references; free end February; at present Manchester. 361/7, Office of this Paper.

A.—QUALIFIED (35); London and Provincial experience; tall; permanency preferred; anywhere; sound references. Chemist, 43 Alexandra Road, Newport, Mon.

A.—ASSISTANT; Part I; age 25; all-round experience; especially dispensing; requires position as Manager or First Assistant with really good prospects; proprietor's interests studied; or a position with a view to purchasing business later. 363/5, Office of this Paper.

A CAPABLE all-round Assistant (age 32) desires Permanency or Relief in Good-class Pharmacy; Dispensing, Counter, Photo, &c.; first-class experience and references. M. J., Royd Villas, Hebden Bridge, Yorks.

A QUALIFIED Experienced Manager (disengaged) desires Permanency; London or suburbs; moderate salary. Davies, 109 Alexandra Drive, Surbiton, Surrey.

A YOUNG Lady, unqualified, desires position in North or Midlands; Referred Part I; Dispensing, Counter, Window, &c.; references. 361/27, Office of this Paper.

A N EXPERIENCED Qualified Assistant desires post as Manager, Assistant or Locum; town or country; excellent testimonials; interview any time. 362/150, Office of this Paper.

A N EXPERIENCED Assistant; West End, &c.; unqualified (age 45); anything temporary or otherwise. "Chemicus," 176 High Street, Hounslow.

A POTHECARY Hall Dispenser (22) desires post with Doctor or Chemist; now disengaged. Miss Robertson, Chipping Norton, Oxon.

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EXCEPTIONAL experience in Northern mixed business; qualified; good appearance, middle-age; disengaged; wire or write. Douglas, Chemist, Borage, Ripon.

F.S.M.C., J.C.Q.O., WITH 8 years' experience of Retail Pharmacy, desires position; capable refractonist and dispenser. 364/38, Office of this Paper.

FIRST-CLASS, experienced, unqualified Assistant, with sound credentials, requires a permanent situation. "Prompt," 363/4, Office of this Paper.

FIVE YEARS' experience in middle-class and high-class districts; Dispensing, Counter, Window-dressing, Photo.; qualified (23); temporary or permanent. G. Harryman, 7 Rochester Avenue, Rochester.

IMMEDIATELY available, experienced qualified Chemist (35) as Manager or Locum; high-class dispensing experience, West End and provinces. Write or wire, Chemist, 31 Hill Crescent, Kenton, Middlesex.

KEEN Business Woman (29), qualified, desires post as Branch Manager; 10 years' sound experience in brisk middle-class; reliable, energetic, capable; good personality. 362/23, Office of this Paper.

LADY Assistant (23); 16 months' Retail experience; 3 years' "Square" training; now referred one subject Ph.C.; will accept moderate salary for experience in good-class dispensing business; London only. Mason, 41 Corfton Road, Ealing, W.5.

LADY, desires in one month, part-time Dispensing with Doctor; mornings from 9 till 12.30; thoroughly experienced; pharmacy trained; Bexley Heath, Dartford, Sidcup or Erith district. 364/12, Office of this Paper.

LADY desires practice in Chemist's Shop for Assistant Dispensers Examination; moderate fee; Norwood district preferred. 362/12, Office of this Paper.

LADY M.P.S. (26) desires change; permanency; Experienced Dispenser; excellent references. 362/26, Office of this Paper.

LADY, qualified, desires position; experienced and reliable. Illingworth, 9 Wilton Road, Chorlton-cum-Hardy, Manchester.

LADY, unqualified, desires change; accustomed to management; 12 years' experience; Dispensing, Photographic, Book-keeping; moderate salary; London preferred. 363/8, Office of this Paper.

LEEDS OR DISTRICT.—Assistant (19) desires to serve official hours in Pharmacy; two years' experience in Liverpool Pharmacy; Counter and Dispensing; Highest References. T. C., 12 Filey Terrace, York.

LOCUM, emergency, relief, any period, town or country; thoroughly competent; good references; disengaged. Chemicus, 56 Rudloe Road, Balham, S.W.12.

LUTON or Eastern Counties; Unqualified Assistant requires change; tall, age 21; Dispensing, Counter, Windows; willing worker. 361/31, Office of this Paper.

MANAGER, qualified (male) (34); excellent Salesman; good personality; highest references; 9 years' West End experience in Dispensing, Photographic and Toilet; good Prescriber and thoroughly up to date in Modern Pharmacy. 362/15, Office of this Paper.

MANAGER, qualified, of proved ability, requires Managership, with sole charge; City, West End and suburban experience; quick, keen, capable, conscientious, thoroughly reliable, a business man and a pharmacist. Write 92 Charing Cross Road, W.C.2.

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M.P.S.—Thoroughly experienced and keen Salesman, seeks Management; married, abstainer, middle age; at liberty; highest references. "Ilexamine," 363/7, Office of this Paper.

M.P.S. (26) requires position; Dispensing, Photographic and Window-dressing; courteous and capable; £4 weekly. Cox, Ampney St. Peter, Cirencester.

MR. LAWSON, M.P.S., 83 High Street, Hounslow, recommends his Assistant (unqualified), Mr. Macgregor (age 30), as capable and conscientious; excellent Window Dresser, Prescriber and Dispenser; available immediately.

PHARMACIST (28); well experienced in West End, Coast, Provincial Businesses and one of the London Hospitals; desires position in any good Dispensing Firm as Senior or Manager; sound references, and can invest as security if required. 364/2, Office of this Paper.

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QUALIFIED as Manager; single-handed; middle-aged; excellent experience; total abstainer; moderate salary; Birmingham preferred. 364/8, Office of this Paper.

QUALIFIED (28), sound experience in every branch of the trade, requires post as Senior, Manager or Locum; free March. 364/200, Office of this Paper.

QUALIFIED (Lady, 30) desires post in or near London; N.W. or S.W. districts preferred, but not essential; excellent all-round experience; capable of taking charge; disengaged. 361/10, Office of this Paper.

QUALIFIED Locum, registered R.P.W., open for engagements, any period; reliable. L., 2 Manton Way, Galpins Road, Thornton Heath.

QUALIFIED (35); experienced all branches; as Locum or Manager. Chemist, 50 Grove Lane, Camberwell, S.E.5. Phone: Rodney 2719.

QUALIFIED (28), smart appearance; perfect all-round experience; good references. 361/32, Office of this Paper.

QUALIFIED (34); 12 years' West End experience; single; disengaged; Manager or Senior Assistant. 362/2, Office of this Paper.

QUALIFIED (23), many years good-class London experience; excellent Window-dresser and Salesman; thorough Photographic experience; excellent references. Andrews, 26 Down's Road, Clapton, E.5.

QUALIFIED (23), height 6 ft. 3 in., seeks position Manager or Assistant; useful all-round experience; disengaged. S. M., Cotter, 309 Burgess Road, Bassett, Southampton.

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THURSDAYS and Saturdays from 3 p.m., other evenings from 7 p.m.; qualified; good references; moderate terms. 363/19, Office of this Paper.

UNQUALIFIED Assistant (20), Part I, seeks Temporary Post; tall, smart, conscientious; with Window Dressing and Photographic experience; accurate Dispenser. Write Arundel, 1, Oaksfield, Methley, near Leeds.

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YOUNG Lady; unqualified; seeks post; 12 years' experience dispensing; counter and stock; energetic and trustworthy; London preferred. 363/24, Office of this Paper.

12S. 6D.—SATURDAYS from 2 o'clock; West End experience; unqualified (44); smart, capable salesman and dispenser. "Celeritas," 31 Hatherley Grove, W.2.

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ADVERTISER (25); energetic, enthusiastic worker; 6 ft.; 8 years' experience Retail Trade; requires post as Salesman with reputable progressive firm; excellent references; extract from one: "whilst being tactful, one of the finest salesmen I have ever met in the profession.—M.P.S."; at present engaged, salary and commission basis. 362/17, Office of this Paper.

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ASSISTANT (19), excellent education, desires position with scope, Wholesale House; 3 years' Pharmacy, Book-keeping; keen and energetic. 362/4, Office of this Paper.

INFLUENZA EPIDEMIC.—Open to any offer, Smart Capable Man, disengaged; good all-round experience; thoroughly conversant with the trade; is willing to do temporary work, in or outdoor; South, West and Eastern Counties, part Midlands; good address; excellent references; height 5 ft. 11 in.; own car; moderate salary; thoroughly energetic; any journey undertaken; hard worker. 205 Wimbledon Park Road, Southfields, S.W.

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TOILET PREPARATIONS.—Manufacturer with 14 years' experience seeks post; sound knowledge of the Chemists' and Hair-dressers Sundries Trade. P.C.B. 63/21, Office of this Paper.

TRAVELLER (young); 9 years' experience representing two of leading firms; desires position; salary and commission; Midlands; unequalled testimonials. P.C.B. 63/11, Office of this Paper.

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